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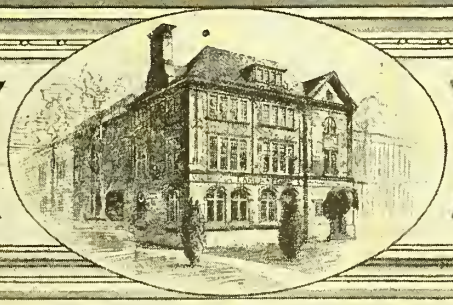

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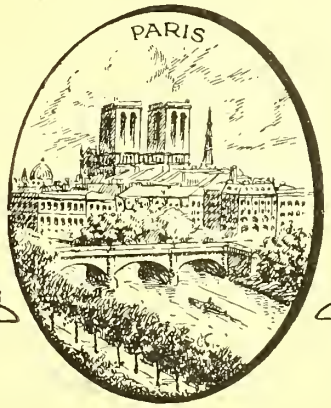

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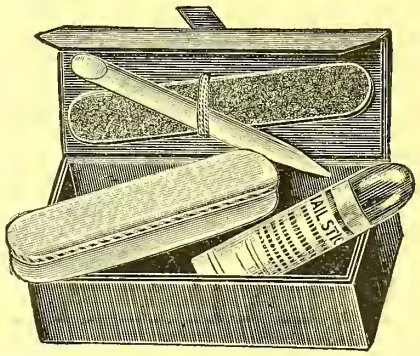

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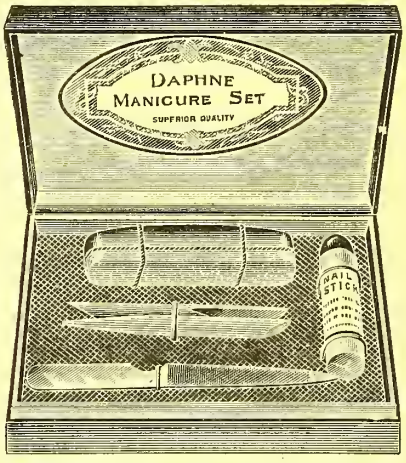
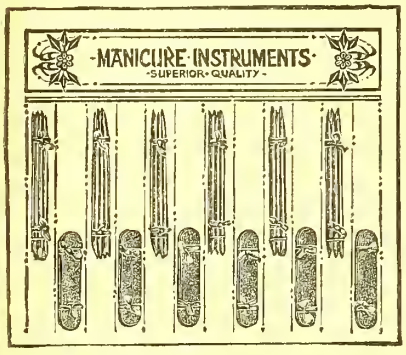
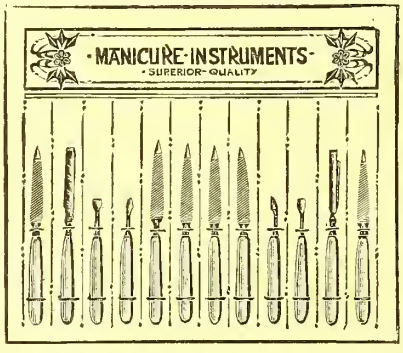


No. 4 Leatherette Case, containing Emery Board, Orange Stick, Nail Polishing Pad and Stick, and Bone Nail Cleaner and Cuticle Pusher combined. **8/9** per doz.

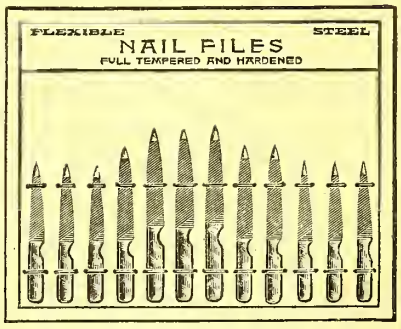
"The Daphne" in handsome case, covered with wood veneer and fancy paper, containing Nail Polishing Pad, Nail Polishing Stick, Flexible Steel File and Trimmer, and two Orange Sticks. **9/-** per doz.



No. 101 Card contains six bundles of Emery Boards and Orange Sticks. **4/-** card.



No. 15 contains one doz. assorted Manicure Instruments, retailing 1/- to 1/6 each. **8/-** card.



No. 1	contains 12 assorted Flexible Files	**3/9** card
No. 2	,, ,, ,	**4/6** ,,
No. 3	,, ,, ,,	**5/6** ,,
No. 4	,, Nickel-Plated	**6/6** ,,

HENRY C. QUELCH & CO.,
4 & 5 Ludgate Square . London, E.C.

TRADE MARK.

"TETRA" Surgical Dressings.

(MADE IN FRANCE.)

THREE FAMOUS "TETRA" SPECIALITIES:

"Tetra" Crêpe Bandages. The finest Crêpe Bandage made. Recognised as the Standard by which all other Crêpe Bandages are judged. Can be boiled and sterilised repeatedly, and always regains its elasticity. Pure Cotton. Contains no rubber, is non-irritant, will not ravel, soft and compact, without bulkiness. Yet no dearer than others. Made and stocked in 10 widths, viz.:

2″ 2½″ 3″ 3½″ 4″ 5″ 6″ 8″ 10″ 12″

"Tetra" Compresses. The finest Compresses made. 4-fold and 2-fold (close weave), with selvedge edges. Adopted by the *Assistance Publique* of Paris, at a saving running into hundreds of thousands of francs annually. Can be washed and sterilised repeatedly, ensuring economy in large institutions. Soft and spongy. Sold in packets of 100, and made in 12 sizes from 2″×2″ up to 28″×28″.

"Tetra" Gauze Rolls. 4-fold and 2-fold (close weave). With selvedge edges and intersecting selvedge throughout the whole length. The finest Gauze Rolls made. Admittedly the standard of the world. Soft, non-irritating, washable, and long wearing. Made in rolls of 5½ yards long, and in nine different widths, viz.:

1″ 2″ 3″ 4″ 5″ 6″ 8″ 10″ 12″

Also in Stock the following inimitable "TETRA" Specialities:—**"Tetra" Operating Coats, Overalls, Bibs, Aprons, Sleeves, Trousers, Masks, Caps, and Sheets (slit and non-slit). "Tetra" Many-tails, Triangular, "T," and Body Bandages, Umbilical Bandages, "Tetra" Diapers, "Tetra" Infants' Bath-Robe.**

Chemists who want a splendid line showing substantial profits should insist upon being shown samples of "TETRA" Crêpe Bandages with prices. Obtainable from all first-class Wholesale Houses.

Sole Distributors for the British Empire (to the Wholesale Trade only)—

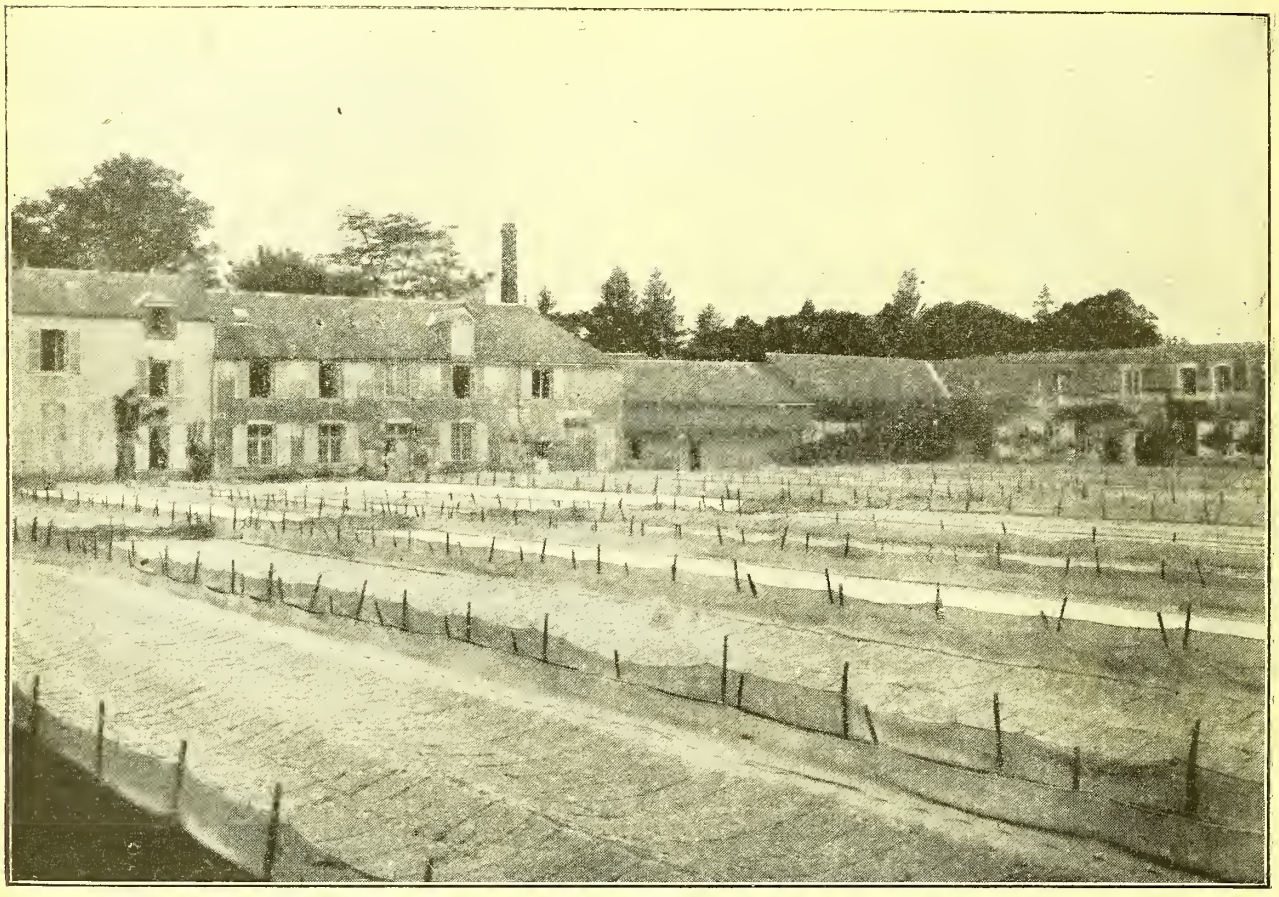
CLEMENT & JOHNSON,

19 Sicilian Avenue, LONDON, W.C.

Telephone: 4373 CITY. Telegrams: "CLEMALEXA LONDON."

Farris's Air Bleached Pure Beeswax.

CELEBRATED FOR EXCELLENCE AND PURITY NEARLY THREE-QUARTERS OF A CENTURY.



FARRIS'S PROCESS No. 3.—THE BEESWAX SPREAD UPON THE CANVAS FRAMES TO BLEACH IN THE SUN.

PURE ENGLISH REFINED SPERMACETI, Paraffin Wax, Ceresine, Stearic Acid, Pure Olive Oil, Castor Oil, Palm Oil, Peach Kernel Oil, Cod Liver Oil, Slab Oil, **"Farrisol"** Paraffinum Liquidum B.P., **"Farrisol"** Snow White Opaque Jelly, Lanoline, White Oils, &c. Oil Refiner to H.M. Government.

GENUINE & COMMERCIAL BEESWAX in ½ oz., 1 oz., 2 oz. and 4 oz. Rounds.

WAXES of EVERY KNOWN KIND.

SAMPLES MATCHED AND LOWEST PRICES SUBMITTED.

WAXES PREPARED FOR SPECIAL PURPOSES.

The only actual Manufacturing Wax Chandler in the City of London.

CHARLES FARRIS, 71 Bishopsgate, London, E.C.

Works: HELMET COURT, BISHOPSGATE, E.C.

Warehouses and Stores: 91 & 93 BISHOPSGATE, and 12 WORMWOOD STREET, E.C.

Telephones: LONDON WALL 9397 and 9398. Telegrams: "WAXINESS, LED, LONDON."

The Big Push.

About three years ago we were fitting up rubber appliances in a workshop wedged in between our laboratories. We then moved to a couple of floors in Little Britain.

Last week a block of buildings extending from Snow Hill to Cock Lane, temporarily housed this ever-growing department until our new factory is completed. Our "Big Push" had taken place.

. . .

Here, for the first time, spacious workshops form adequate surroundings for the handling of the hundreds of orders entrusted to this section of the House.

This Establishment is fitted with modern labour saving appliances, and planned for the rapid control of any quantity of work.

. . .

On the first floor is situated the Departmental Manager's office, stock room, and receiving room; light, airy apartments, admirably fitted-up and arranged.

The second floor is given over to the truss and belt workshops. Crutch padding is done here, and many other surgical appliances are manufactured. Douches are fitted up and sent out in considerable quantities, and a large area alone is reserved for the "Family" and "Crystal" douches, all British made. Hot water bottle covers are guillotined on huge tables from bales of material direct from the mills.

. . .

The third floor is the "Fitting up" section for rubber goods. Enemas are valved and piped and boxed. Breast relievers, nipple shields, and all kinds of nose and ear douches are completed before dispatch. The store room is situated on the top floor. Here large reserve supplies are retained in anticipation of urgent requirements received from our Aldersgate Street headquarters, where, of course, orders should be sent as usual.

Capsule

Maw's S MAW SON. & SONS. (GPO BOX Nº 54) 7-12. ALDERSGATE ST LONDON. E.C. **Page**

No. 246 JULY 1, 1916

You are selling a good line when you handle "Active Service" Solidified Brilliantine. It is a splendid dressing for the hair, and is pleasantly perfumed with Bay Rum. Put up in *screw-cap* tins to prevent spilling. Display "Active Service," "the 'Brill' that will."

"ACTIVE SERVICE"
SOLIDIFIED
BRILLIANTINE.
ATTRACTIVE SHOWCARD FREE.

4/9
DOZEN.

Our standard line of plasters remain soft, pliable and adhesive without melting at the heat of the human body. Specially wrapped in prepared paper and enclosed in strong cardboard carton.

STOCK LINES.

Per dozen yards, Net.	Super-Glazed Calico.	Un-Glazed Calico.	Moleskin.
Emp. Adhesive Opt.	6/9	9/-	28/6
Do. on Holland, 13/6.			
Emp. Adhesive, 2nd quality ...	5/6	—	—
Emp. Belladon B.P. 1914 ...	26/3	29/3	46/6
Emp. Cer. Saponis	11/3	12/9	31/6
Emp. Plumbi B.P.	9/-	—	—
Emp. Roborans	9/-	—	31/6
Emp. Saponis Alb.	9/-	10/6	31/6

Emp. Adhesive Opt. in Fancy Coloured Cases, 170 in. × 8 in. ... 5/- per doz.
Emp. Cerat. Saponis " " " " 7/6 "

'The Fleet' SUSPENSORY BANDAGE

A VERY POPULAR SUSPENSORY FITTED WITH PINK BAG, ELASTIC INSERTION, AND FURTHER STRENGTHENED WITH BOUND EDGES. IT HAS A JEAN WAIST BAND AND STRONG BUCKLE. EACH "FLEET," WITH DRAW TAPE OR WOVEN ELASTIC EDGE BAG, IS PUT UP IN ENVELOPE (PRINTED IN DIFFERENT COLOURS TO DISTINGUISH THE THREE SIZES), AND FORMS AN UNOSTENTATIOUS PACKET FOR THE CUSTOMER.

Chymol

To obtain 82·7% profit

on a NATIONALLY ADVERTISED line.

(P.A.T.A.)

To the first thousand Chemists responding to this advertisement we will send the selection below. With this selection we will give orders to distribute half-a-dozen 2/6 packages of Chymol to local Doctors at our expense.

DETAILS OF THE DISPLAY.

	s.	d.
4 doz. 1/- Chymol at 9/- ...	36	0
3 doz. 2/6 Chymol at 24/- ...	72	0
	108	0
Less 5 per cent. for display ...	5	5
	102	7
And 1 doz. 1/- free	12	0
	90	7
Less 15/- cash value distributed to Doctors	15	0
Net cost, carriage paid ...	75	7

	s.	d.
Selling price, 5 doz. at 1/- ...	60	0
,, ,, 3 doz. at 2/6 ...	90	0
	150	0
Less cost of six 2/6 Chymol distributed to Doctors ...	12	0
Net selling price	138	0
Less net cost	75	7
Net profit	62	5

Or **82·7** % profit on the investment.

Send us your order at once; mention "C. & D." offer.

N.B.—To ensure ample display material indicate space available when ordering.

THE CHYMOL COMPANY Ltd.
ATLANTIC HOUSE,
HOLBORN VIADUCT, LONDON, E.C.

Two Questions for you

1. Are you taking full advantage of the firm demand for "Ovaltine" resulting from wide and general recommendation by the Medical and Nursing Professions, supported by an extensive scheme of press advertising?

The popularity of "Ovaltine" is assured. Its high food value, ease and rapidity of assimilation and rich organic phosphorus content have led to its general recognition as the best Tonic Food. It is unique in being presented in the form of a delicious beverage to be taken instead of tea, coffee, or cocoa, which it also largely displaces as a daily beverage.

2. Are you buying on the best terms?

"Ovaltine" is a profitable additive line which pharmacists have many opportunities of introducing. On our special co-operative terms it yields a profit of approximately

45% on outlay.

If you are not buying on this basis write to-day for our special terms.

INQUIRIES INVITED FOR EXPORT TERMS.

A. WANDER, LTD., 45 Cowcross St., LONDON, E.C.

Works: King's Langley, Hertfordshire.

OVALTINE

TONIC FOOD BEVERAGE

T 59

TRADE MARK.

Argentum Proteinicum

(PROTARGOL)

The most reliable and satisfactory Silver Salt.

Contains 8% Silver, is readily soluble in water, does not precipitate with Albumens or Saline Solutions.

Solutions keep well without sediment.

Holds first place in treatment of Ophthalmia, Gonorrhœa, Wounds, Ulcers, etc. Instructions sent with each delivery.

Supplied through wholesalers in original bottles bearing above trade mark.

JOHN LORIMER

Balfour House, 119 Finsbury Pavement - London, E.C.

VITAGEN

(Pure Milk Casein with 5 per cent. Sodium Glycerophosphate)

The Ideal Tonic & Nerve Food

A perfectly reliable preparation, identical in composition with 'Sanatogen' at less than half the price.

IN BULK, 3/- PER LB.

In tins same weight as Sanatogen

10/6 16/6 27/- 45/- doz.

In bottles for India, 36/- doz.

AGENTS WANTED THROUGHOUT THE WORLD.
LIBERAL TERMS AND ADVERTISEMENT GIVEN.

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK.

"FRAME FOOD"

ON P.A.T.A. LIST. *SHOWCARDS FREE.*

FRAME FOOD CO., Standen Road, Southfields, London.

HAVE YOU RECEIVED OUR

NEW CATALOGUE

Of BOTTLING, TUBE- & TIN-FILLING MACHINES, MIXERS, EMULSIFIERS, ETC.

Up-to-date Plant at Low prices.
Something to meet every need.

WRITE—

ROBERTS' PATENT FILLING MACHINE CO.,
33 ROUNDCROFT STREET, BOLTON, ENGLAND.

PRICES PROTECTED.

Dr. Allinson's Food Preparations.

Food for Babies, Prepared Barley, Brunak, Power, N.-F. Cocoa, Biscuits, Soup, Wholemeal, &c.

NOTICE TO THE TRADE

We issue a list of WHOLESALE HOUSES who keep above in stock; if for any reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return. See trade mark on all our goods: "T. R. ALLINSON." *None Genuine Without.*

NATURAL FOOD COMPANY, LIMITED,
Cambridge Rd., Bethnal Green, LONDON, E.

Handbills, Booklets, Showcards, &c., Free.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade, and we are pleased to exchange any article which may be out of condition.

PRESCRIBED FOR MEMBERS OF THE ROYAL FAMILY

SUPPLIED TO HER MAJESTY QUEEN MARY'S ROYAL NAVAL HOSPITAL
ALSO TO HER ROYAL HIGHNESS THE PRINCESS LOUISE'S HOSPITAL
THE ALLIES' HOSPITAL (Hôpital de l'Alliance), YVETOT, FRANCE
THE BRITISH RED CROSS SOCIETY'S HOSPITALS, etc.

Unsurpassable reputation for genuineness. Never claims to do more than it can accomplish.

Over a quarter of a century of uninterrupted success as a specialised preparation.

KUTNOW'S POWDER

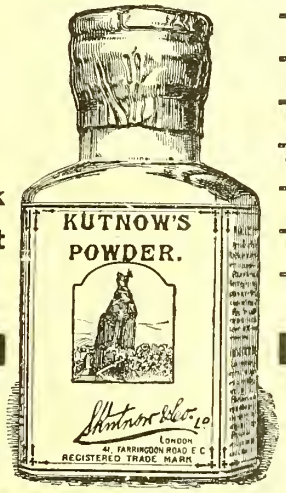
For Liver, Kidneys & Bowels.

THE FAMOUS BRITISH REMEDY

MADE IN ENGLAND ONLY

THE POWDER—BOTTLES—CAPSULES—LABELS ALL MADE IN ENGLAND

It is on the P.A.T.A.
It is well advertised
It is very popular
It is a good article
It is never dead stock
It yields a good profit
It satisfies everybody



The Doctors prescribe it
The Nurses recommend it
The Public appreciate it
The Customer comes again
The demand is constant
The sales are increasing
The trade is progressive

ORDER AT ONCE FROM YOUR WHOLESALE HOUSE

WINDOW SHOWS ATTRACT REMUNERATIVE BUSINESS

IMPORTANT NOTICE.

Hospital War Service

— FREE OF CHARGE —

DOCTORS, NURSES & HOSPITALS

are invited to apply at once for special Physicians' Sample Bottles of Kutnow's Powder, for the use of the sick and wounded both at the front and at home. All applications will be dealt with promptly and supplies forwarded immediately, carriage paid. Applications to be made by letter, and should be marked

"HOSPITAL WAR SERVICE,"

and addressed to

Messrs. S. KUTNOW & Co., Ltd.

41 Farringdon Road, London, E.C.

PERSONAL NOTICE.

Showcards and Bills

— SEND THIS COUPON —

To **S. KUTNOW & CO., Ltd.,**
41 Farringdon Road, London, E.C.

Please send me Showcards and Counter Bills, carriage paid.

NAME.....

ADDRESS .....

.....

"Chemist & Druggist," July 1, 1916.

Fill in, cut out, and post in open envelope, affix ½d. stamp.

S. KUTNOW & CO., LTD., Sole Proprietors,
41 Farringdon Road, London, E.C.

THE DIGESTIVE FERMENTS CO.

16-26 LOCUST STREET,
DETROIT, U.S.A.

The following are among our Specialities, Digestive Ferments, and Animal Extracts, stocks of which are held in London by
MAY & BAKER, LTD., BATTERSEA, LONDON, S.W.

DIGESTIVE FERMENTS

AMYLOPSIN
DIASTASE
PANCREATIN
PEPSIN
RENNIN 1 : 30,000
TRYPSIN

ANIMAL SUBSTANCES

BONE MARROW
HÆMOGLOBIN
LECITHIN
OX-GALL
PEPTONE

SODIUM GLYCOCHOLATE
SODIUM TAUROCHOLATE

We devote our whole time and attention to the manufacture of Digestive Ferments and Organo-Therapeutic Products, and we claim to produce the Highest Qualities at the Lowest Prices.

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE YET PRODUCED
IS MANUFACTURED BY

THE PHARMACEUTICAL LANOLINE CO.

7 Carnwath Road, Fulham, London, S.W.
WHO INVITE INQUIRIES.

GLASS BOTTLES & GLASSWARE

OF ALL DESCRIPTIONS.

Buyers in India, Australia, and the Far East should send samples —— (two of each) and quantities required for quotations to ——

J. L. THOMPSON & CO., P.O. Box 22, KOBE, JAPAN.

Cable Address: "FRANKLIN KOBE."

FULLY ILLUSTRATED CATALOGUE OF SURGICAL INSTRUMENTS SENT POST FREE ON APPLICATION.

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF 1916 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

RADIUM COMPOUNDS, &c.

CLEW'S RADIUM LUMINOUS PAINT.

(ORIGINATED 1904.)

For Clocks, Watches, Compasses, from 5/- per grain.
Mesothorium Luminous Paint, from 2/8 per grain.
(Not less than 10 grains supplied.)

PURE SALTS OF RADIUM & MESOTHORIUM.

Ionium, Actinium, Radio-Lead.

RADIO-ACTIVE SOIL FERTILISERS

of guaranteed strength.

CLEW'S PATENT SCINTILLOSCOPES, &c.

Applicators prepared. Radium Salts Bought, Sold, Exchanged, and Certificated against International Standards.

F. HARRISON GLEW, M.P.S., *Radiographer,*
156 Clapham Road, LONDON, S.W.

WHITE MARSEILLES SOAP

SO-CALLED CASTILE SOAP
60-65 per cent. FATTY ACIDS.

A PURE VEGETABLE OIL SOAP

For prompt or forward delivery.

FREDK. BOEHM, Limited,
16 Jewry Street, LONDON, E.C.

WM. H. BOWDLEAR

Formerly of the W. H. BOWDLEAR CO.

respectfully solicits business from any and all former correspondents, either on a commission basis or otherwise.

CRUDE
REFINED
and
BLEACHED

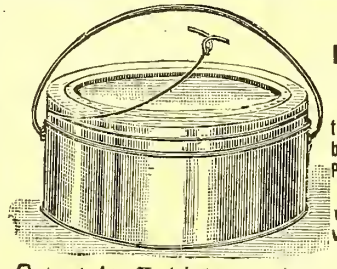
BEESWAX

Quotations given in £ sterling, per cwt.

220 DEVONSHIRE STREET (Room 201a),
BOSTON, MASS., U.S.A.

The Northern Tin Canister Works,

6 Mersey Street,
LIVERPOOL.



Patent Air Tight Slip-lid Tin For Export.

We manufacture for the paint trade in all its branches—Decorated and Plain work.

TIGHT SEAMING & VARNISH BOTTLES A SPECIALITY.

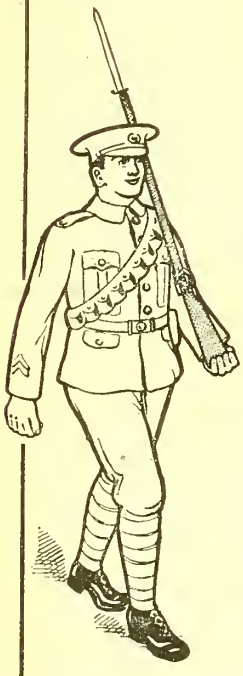
Prompt Deliveries Assured.

The New Military Law

The New Military Law, which came into force on June 24th, 1916, automatically makes all men from the ages of 18 years to 41 years into a soldier, unless special exemption has been given or an appeal pending.

Patriotism demands that all trades, not specially engaged in direct munitions of warfare, should relinquish as many of their staff of workmen as it is possible for them to release.

Although many trades under this arrangement are heavily affected, and ours is one of these unfortunate ones, we nevertheless, as sensible people, realize it is our duty to do all we can to assist the Military Authorities to prosecute with the uttermost rigidity that policy which will bring this terrible War to a successful issue.



At the same time, we, as a trade, are sacrificing both men and opportunity for the National welfare, we also must not forget that those left at home ought to their best ability endeavour to keep the Flag flying, and help to maintain the standard of efficiency of the trade or profession they represent **until the Boys come home.**

Practical Chemists and Printers are categorically in the same position, and it must follow that in their own interests there should be unity of action. The enterprising Chemist should patronise the up-to-date Printer in a business-like manner, so that his many Specialities, Drugs, Chemicals, and Sundry Articles can be most suitably advertised, and attractively placed before the public.

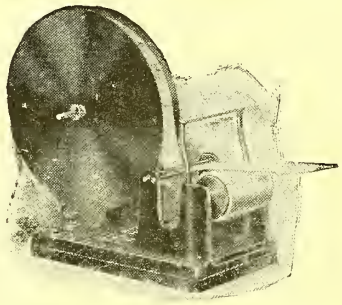
We have many years of experience in this particular line, and are at all times ready and anxious to give those who require it the benefit of that experience.

Let us help one another, and by this endeavour we shall be giving the public our best, and in return secure those "Silver Bullets" which are beneficial both to our interests and the War Loan.

Send **6d.** for Samples.
Full Set of Samples to Colonies charged **10/6**, which we credit if order is placed for **£5** and upwards.

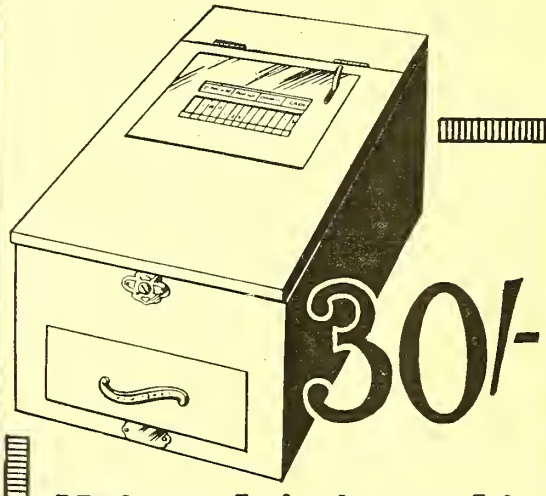
Thomas Waide & Sons
Chemists' Printers,
KIRKSTALL ROAD, LEEDS.

HOW do you seal your Parcels?



This little machine, the "DEMON," will secure them with Gummed Paper Tape NEATLY, QUICKLY & EFFECTIVELY at a fraction of the cost of string or sealing-wax.

Send a postcard for particulars to
FAIRE BROS & CO., Ltd., Leicester
And 19 Fore Street, London, E.C.



National Autographic Till.

MAHOGANY Finished Cabinet. Bronze Fittings, Paper Roll ruled for assistant's initial, cash sales, credit sales, money received on account, and money paid out

Other Autographic Tills in stock. **Receipt-Printing Tills from £6.**

We Guarantee to furnish a better Cash Register or Autographic Till for less money than any other concern in the world.

Write for Coloured Illustrated List

THE NATIONAL CASH REGISTER, Co., Ltd.
225, TOTTENHAM COURT ROAD, LONDON, W.

Large Stocks Held.

WHITE OILS

THE HILLCREST OIL CO.
(BRADFORD) LTD.
CLAYTON - - MANCHESTER

Petroleum
Jelly

White, Yellow, Amber,
& Ruby Red, for all
Pharmaceutical and
Veterinary purposes

MEADE-KING, ROBINSON & CO.
LIVERPOOL - - - MANCHESTER

The Best of all Fly Catchers

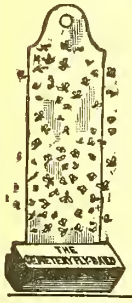
TUNBRIDGE & WRIGHT'S

Fly Cemetery

The original and best of all Sticky Fly Papers, **6/-** per gross net, carriage paid. Cash with order.

TUNBRIDGE & WRIGHT'S

Cemetery Fly Tape



Very neat, simple, and efficacious, **7/6** per gross net, carriage paid. Two gross lots and up **7/-** per gross, carriage paid. Cash with order.

TUNBRIDGE & WRIGHT'S

Cemetery Fly Band

The neatest; simplest, and cleanest of all band catchers. Packed in boxes containing three dozen. **8/-** per gross net, carriage paid. Cash with order.

TUNBRIDGE · & · WRIGHT

READING

London Depot—*46 FARRINGDON STREET, E.C.*
N. of England—*4 Gallowgate, NEWCASTLE-ON-TYNE.*
Telegrams: "FLIES READING." Telephone: 496 Reading.

BROWN'S FAMOUS "FLIBAN"

"THE DEADLY HOUSE FLY."

Wholesale Houses desiring to handle the MOST EFFICIENT, NEATEST, AND CLEANEST BRITISH MANUFACTURED ARTICLE, should handle

THE WORLD-RENOWNED

"FLIBAN"

FLY CATCHER.

HAS NO SUPERIOR.

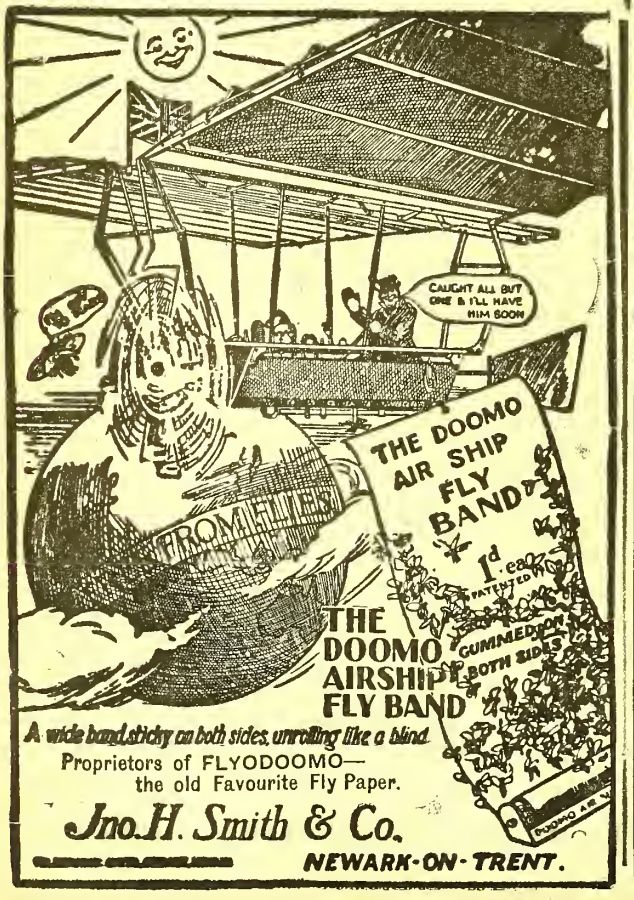
Specially made to withstand varying climatic conditions.

Insures repeats and permanent business.

Test this when all others fail.

Samples and prices on application. Prompt deliveries guaranteed.

THE BROWN MANUFACTURING CO., Ltd.
LETCHWORTH, HERTS, ENG.



CHRISTY STRONG'S

"COBWEB" & "GRIP" FLY PAPERS

Per Gross **6/-** Carriage Paid.

The "Strong" Fly String

8/- Per Gross.

Postal Address:

115 CHATHAM STREET, READING.

Telegraphic Address: "STRONG READING."

By Royal Warrant

To H.M. King George V. To H.M. Queen Alexandra.

Holders of Royal Warrants during three successive Reigns.

Jeyes' Fluid—Best and Safest Disinfectant.

Cyllin—Jeyes' Special Fluid. The relatively non-poisonous Bactericide.

Cyllin Medical—A refined preparation of Cyllin.

Jeysol—Identical in composition with original German Lysol, and equally efficient.

Jeyes' Parasitic Soap—For destroying all body parasites in the trenches.

Jeyes' "Cyllin" Toilet Soap—Invaluable for promoting a healthy skin.

Senalia—Delicately perfumed tablets. "The Queen of Toilet Soaps."

Jeyes' Sanitary Compounds Co., Ltd., 64 Cannon St., London, E.C.

THE WAR OFFICE HAS AUTHORISED the use of

"VERMIJELLI"

by the Troops, after very exhaustive investigation by the R.A.M.C., on the relative values of Vermicidal substances.

NON-POISONOUS. NON-INFLAMMABLE. MIXES WITH WATER.

The efficacious preventative and remedy for Lice, Fleas and other vermin.

Wholesale from *Sole Manufacturers* :—

S. BOWLEY & SON, Wellington Works, Battersea Bridge, London, S.W.

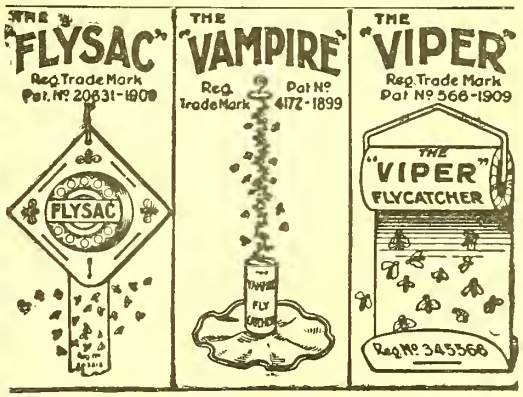
Prices: 1 lb. Tins ... 1/- each ... ... 1/5 each } Post
7 lb. " ... 6/9 " ... ... 7/9 " } paid
Collapsible Tubes 1/- " ... ... 1/4 " } in U.K.

DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.
BEST QUININE, TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz. Plain or graduated.
WHITE PHIALS.—½ oz., 1 oz., 1½ oz., 2 oz. Plain or teaspoons.
BLUE LOTION BOTTLES.—½ oz., 1 oz., 1½ oz., 2 oz., 3 oz., 4 oz., 6 oz., 8 oz., 12 oz.
PANEL BOTTLES.
We send six gross assorted or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.
CORKS.
Good quality. No advance in price: 6 and 8 oz. bottles, 9d. per gross in 6 gross bags. Vials 6d. per gross in 3 gross bags.

I. ISAACS & CO.,
106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.
Or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, London, W.
Orders sent to either establishment have attention
Established 100 Years.

REAL FLYCATCHERS!



Prompt Deliveries! Big Profits! Quick Returns!

NO EXPERIMENT, BUT A PROVED SUCCESS.

WELL MADE AND WELL ADVERTISED.
Send for Samples. They bear out our claims.

SOLE MAKERS AND PATENTEES:
KAY BROTHERS, Ltd., Stockport.
Nat. Tel. 247. Telegrams: "KAY STOCKPORT." (1)
(30 years' experience in the manufacture of Birdlimes and Flygums.)

RECOMMEND THE PROTECTED BRAND

AND SUPPORT THOSE WHO SUPPORT YOU. IT PAYS YOU TO PUSH THIS INK IN PREFERENCE TO NON-PROTECTED MAKES. IT IS NOT ONLY THE BEST, BUT SHOWS YOU THE MOST PROFIT.

40% MINIMUM PROFIT

JOHN BOND'S "CRYSTAL PALACE" MARKING INK.

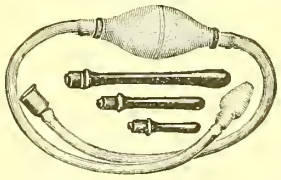
FIXED SELLING PRICES

With or without heating, whichever kind is preferred.
Please specify when ordering.

As supplied to the Royal Households, and awarded forty-five Gold Medals, etc.

"THE ANTI-CUTTING RECORD" says:—"We are strongly of opinion that John Bond's 'Crystal Palace' Marking Ink should not only be kept in stock, but, in common fairness to the Proprietor, distributors may justly give this well known line all the display, recommendation and push in their power."

N.B.—This is not a cut 6d. Marking Ink, sold at the Stores for 3½d.



Indisputably the *best value* on the British Market.

"ELLEMM" BRAND

WHIRLING SPRAYS, ENEMAS, HOUSEHOLD RUBBER GOODS SEAMLESS RUBBER GOODS, &c.

LEONARD MORRIS, 7 Brazenose Street, MANCHESTER.
T.A.: "ELLEMM MANCHESTER." T.N.: 1097 CENTRAL.

THE ORIGINAL BRITISH-MADE

SENESCHAL PEDICURE OR CORN PLANE

Corns Cured in a minute.

Corns Removed without pain.

This instrument gives absolute Comfort and Relief at once.

1/-

Does the work of a Skilled Chiropodist at home.

Why suffer pain? Use this PEDICURE and walk with ease and comfort.

Invaluable for the removal of Corns and Hardened Growths. Use as directed and Corns will be a thing of the past.

Quite safe, Painless and Harmless.

CORNS CURED IN A MINUTE
SENESCHAL PEDICURE
CORNS CURED IN A MINUTE
SENESCHAL PEDICURE
CORNS CURED IN A MINUTE
SENESCHAL PEDICURE

AN EXCELLENT 1/= LINE.

Price: 8/= per doz., of all Druggists' and Hairdressers' Sundriesmen.

LOOFAHS

Owing to the enormous advance in freight and shortage of ships, the price of these goods is now considerably advanced. I can, however, offer for a short time a few bales as follows:

SIZES (approx.)

8"—10"	12/- per gross		Net Cash with Order
10"—12"	24/-	„ „	
12"—14"	36/-	„ „	
14"—16"	48/-	„ „	

TERMS:—

Carriage free in U.K. for £1 parcels. Foreign and Colonial Customers please include Parcels Post rate approximately.

THOMAS SWALES,

24 Butts Court, *and* 89 Albion St.,

LEEDS, ENGLAND.

F. DARTON & CO.

Clerkenwell Optical Works, 142 ST. JOHN STREET, and 52 CLERKENWELL ROAD, **LONDON, E.C.**

SPECTACLES & EYEGLASSES

GOLD-FILLED, STEEL & NICKEL

IN

ALL QUALITIES & STYLES and the best finish.

Supplied by return mail on receipt of order.

℞ work, framed or rimless, dispatched promptly and accurately

Telephone No 3474. HOP

Telegrams. "SILVERLOCK LONDON"

Suttley & Silverlock, Ltd

The World's Label Printers

CARTONS. LABELS,
WHOLESALE DRUGGISTS'
PRICE LISTS & CATALOGUES
OF EVERY
DESCRIPTION.

BLACKFRIARS RD., LONDON, S.E.

FIELD'S

"SIANARA" (Regd.) Toilet Soap

With the Enchanting Perfume of OLD JAPAN.

AN ENTIRELY NEW LINE IN

ROUND BATH

To sell at 5d., 4½d., 3d., & 2d. per tablet.

Let us Quote you for your Proprietary Soaps.

J. C. & J. FIELD, Ltd., Toilet Soap Experts. LONDON, S.E.

Telegrams: "OZOKERIT, LAMB, LONDON." ESTABLISHED 1642. Telephone: HOP 3905.

A powerful antiseptic and deodorant.

"PETAL DUST" REGD.

The greatest of all floral air-purifiers.

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "PETAL DUST" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

Retails in 3d. and 6d. packets

Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

SOLE PROPRIETORS—

THE ROSMARINE MANUFACTURING COMPANY,

STAMFORD STREET, LONDON, S.E.

CITY DEPOT: H. C. QUELCH & CO., LUDGATE SQUARE, LONDON, E.C.

DISINFECTANTS

of undeniable germicidal qualities will be good stock this season, and

COOK'S FLUIDS

are always reliable.

For your guidance in case of inquiry for a line you are not stocking, we give you hereunder particulars of the three principal fluids:

		WHOLESALE
Cook's "Cofectant" Fluid	**1/- tins**	**8/- doz.**
Cook's Pine Fluid	**9d. tins**	**6/- „**
Cook's "Decitas" Fluid	**1/- bottle**	**7/- „**
Cook's "Decitas" Fluid	**6d. bottle**	**4/3 „**

DESCRIPTIVE PAMPHLETS AT YOUR DISPOSAL.

SOLE MAKERS:

EDWARD COOK & CO., Ltd.

BOW, LONDON, E.

M. NAËF & CO.

GENEVA (Switzerland),

MANUFACTURERS OF

SYNTHETIC AND AROMATIC CHEMICALS,

Invite special attention to the following products :—

CYCLAMEN "N," base for Cyclamen and Lily of the Valley.

VIOLETTONES A—B and VIOLETTOLS, indispensable for all high-class Perfumes and Soaps.

VIOLANOL, the truest Violet Perfume ever produced.

LILAFLEUR, a perfect and exquisite Lilac preparation.

FLEUR DE MUGUET and MUGUET N, both reproduce exactly the odour of Lily of the Valley.

IRALIA 100 %—CYCLOSIA—DIANTHINE—NARCISSUS—JACINTHE—TRIFOLIN.

SYNTHETIC OILS OF ROSES (Rose d'Orient, Rose Rouge, Petales, Malmaison, Maréchal Niel, Rose Provençale).

TERPENELESS OILS.—Lemon, Bergamot, Sweet Orange, Bay, Lavender, Geranium, Oils of Limes, &c., all made out of the finest Essential Oils procurable.

Sole Representatives for the United Kingdom :—

E. GUILLEVIC & CO., 19 St. Dunstan's Hill, LONDON E.C.

Telegraphic Address: "PHLOXIA, BILGATE, LONDON." Telephone No.: AVENUE 5089.

Samples and Price Lists sent on application to the Wholesale Trade.

PRICE'S

EXTRA
TRIPLE

Eau de Cologne

WICKERED BOTTLES.

Packed in neat original pattern wooden boxes of various sizes, containing either one or three bottles.

Especially suitable for Dispatch.

PRICE'S

BATTERSEA, LONDON, S.W.

Eau de Cologne and General Perfumery.
Price Lists on application.

Attractive Showcase Offer.
Particulars on application.

A. Boake Roberts & Co., Ltd..

STRATFORD. LONDON. E.

Distillers and direct Importers of all important

Essential Oils.

Manufacturers and Distillers of

ESSENCES,

SYNTHETIC PERFUMES, &c.

including

Anethol, Citral, Citronellol, Eugenol, Geraniol, Geranylacetate, &c.

Terpeneless Oil of Lemon, Sesquiterpeneless Oil of Lemon.

Write for samples and quotations.

A. Boake Roberts & Co., Ltd..

"SANOID" BORACIC SOCKS.

MANY Chemists have enjoyed the ready sale of Boracic Socks, which literally

SELL THEMSELVES

NOW is the time to order, so as to enjoy a share of these

READY SALES

3/6 per dozen pairs.
SAMPLE ON APPLICATION.

CUXSON, GERRARD & CO., Ltd., OLDBURY.

Old Hats. Old Hats.

"WHITEAGAIN"

Makes old straw hats like new.
A compound that cleans & bleaches.
NON-POISONOUS.
3 doz. 2d. packets on cards 4/- net.
8 cards for 24/- Carriage paid.
CASH WITH ORDER.

L. K. Co., 11/12/13 Gilbert Street, London, E.C.
Sole Proprietor: ROBERT BLACKIE.

GOODS WE CAN SUPPLY at ONCE

Health Salts; also tins for same
Foot Powder " " "
Fly Catchers
TEATS and SOOTHERS
Tooth Powders; and tins for same
Tube Goods:
Creams - Tooth Pastes, etc.
OINTMENTS; and tins for same
Special new Containers for Ointments, etc.
"Vaseline" - in tins and jars
"Peach" Preparations & Pots

INQUIRIES SOLICITED, WHICH WILL BE IMMEDIATELY ATTENDED TO.

SHIRLEY BROTHERS, L^D
Whitecross Works · London, S.E.

YVONNE CREAM
and
YVONNE MEDICATED MEAL

The most exquisite preparations ever offered to the Trade, and which are now being extensively advertised.

YVONNE CREAM is made from a new base only recently discovered, is the most effectual beautifying Cream extant, and is quite distinct from any other preparation on the market.

YVONNE MEDICATED MEAL. Something entirely new, and should be stocked by every Chemist, as we believe in securing the goodwill of the individual Chemist as well as creating a demand through press publicity. We have fixed our prices to allow the Trade 33⅓% Profit on sales, and we think that every Pharmacist will agree that such Profit is very fair upon advertised articles. In addition, for the next few weeks we are making the following SPECIAL OFFER:

To every Chemist ordering 1 doz. Yvonne Cream ... ... **1/-** size at **8/-**
1 „ „ „ ... ... **6d.** „ „ **4/-**
1 „ Yvonne Medicated Meal Pads, **4d.** „ „ **2/9**
} Carriage Paid

we will send, **Gratis,** 1 Gross Yvonne Cream **1d.** Samples, beautifully boxed for Counter display, together with supply of Pamphlets. All orders will be executed in strict rotation.

THE YVONNE CO., 25 Duncan Terrace, City Road, London, E.C.

Why you should stock

ANZORA. Because it is *the only* non-greasy preparation that will effectually master even the most turbulent hair. Because it is an admirable tonic for hair roots and scalp. Because it is a magnificent seller, and we give a handsome profit margin to reward you for your trouble. *Don't stock substitutes,* they only disappoint customers.

TRADE TERMS:
11/6 per doz. Retailed at **18/-**
19/6 „ „ **30/-**

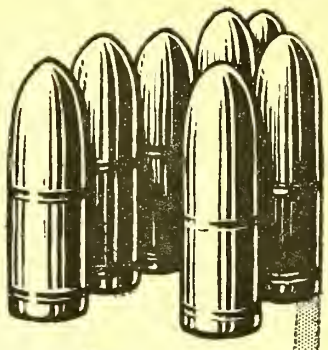
WRITE FOR SHOWCARDS AND CUT-OUTS.

ANZORA PERFUMERY CO.,
32/34 WILLESDEN LANE, LONDON, N.W.

ANZORA
IT MASTERS THE HAIR.

You can't get Glycerine——

the Government wants it



and the demands of H.M. Government must come first. But you *can* get something equally as good for external use

SELL

HOLOYDINE

(Rose Perfumed)

as a substitute for Glycerine and Rose Water. A postal order for 3/6 brings you a jar of Holoydine Paste (sufficient to prepare 96 oz.) together with a smart window poster, and a supply of well-designed labels for selling it in bottles or bulk.

Why shouldn't YOU get some of the business done by the Multiple shops? They sell Glycerine substitutes—why don't you? Obtainable from the leading wholesale houses or direct from

One doz. Jars 36/-

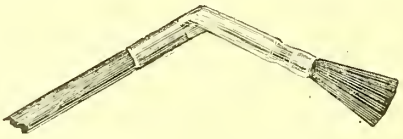
Window POSTERS and attractive LABELS FREE

Lloyd's

60 Tennyson Road, SMALL HEATH, BIRMINGHAM

96 oz. jar 3/6

THROAT BRUSHES



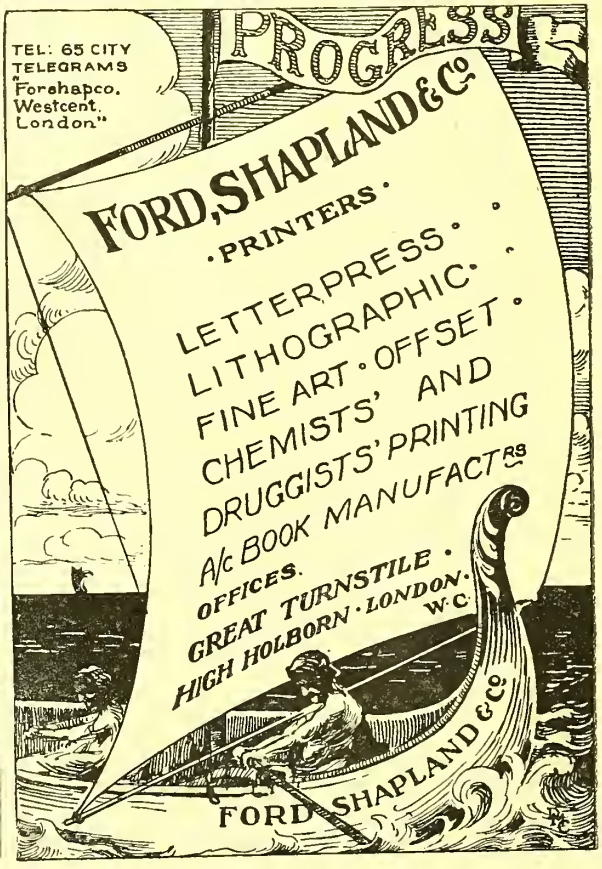
Bent or Straight.

Excellent quality & in full stock. Look — at the price. --

From 10/- per gross.

Wholesale and Export only.

H. A. WANKLYN,
17 Manchester Avenue, London, E.C.



"'HAZELINE' SNOW"

(Trade Mark)

Makes a profitable Summer display

The sale of this product reaches an enormous total during the sunburn season. Display it now, using these showcards. Perhaps you have them, if not write for them to-day.

SEND FOR THESE SHOWCARDS QUOTE THE NUMBERS

0296—Size: 20 × 15 in.; subject: see illustration. Beautifully printed in colours. Most artistic and attractive.

0373—Size: 18¾ × 3¼ in.; subject: see illustration. Ivory card with cut-out letters. Very effective against a dark background.

0384—Size: 12¾ × 8 in.; subject: see illustration. Very novel design, well produced in colours. Self-supporting.

0385—Size: 24 × 20 in.; subject: see illustration. Very exquisite colour-work; a display in itself. Rivets attention.

0405—Price-ticket (11d.) Size: 3¾ × 4¾ in.; subject: miniature of 0296, printed in two colours, with tongue for inserting in a carton of "'HAZELINE' SNOW."

0385

0296

0384

0373

USE THEM NOW

Address—

BURROUGHS WELLCOME & CO.
10, SNOW HILL BUILDINGS
LONDON, E.C.

G 717

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SODII SULPHAS

"P.P.P."

WHETHER

"PEA" CRYST. or "FEATHERY" CRYST.

(1) is a brilliant white article, free from any yellow tinge, and will remain so ;

(2) dissolves in cold water—the "feathery" cryst. quite readily—to form a clear and clean solution which does not require filtration ;

(3) conforms to the stringent P.P.P. specifications as to freedom from lead and arsenic ;

(4) is free from chlorides ;

(5) is free from iron ;

(6) is warranted Pure for Pharmaceutical purposes ;

(7) is quite different from the crude grades of Glauber's Salts offered as "recryst." or "B.P.";

AND IS GUARANTEED TO COMPLY WITH THE REQUIREMENTS OF THE B.P. 1914.

The British Drug Houses, Limited

22-30 Graham Street, City Rd., London, N.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

Subscription Rates.

Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1*s.*; *Diary* 3*s.* 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12*s.* 6*d.*, franco.

Цѣна годового абонемента: Газета еженедѣльно и Дневникъ разъ въ годъ 12 шиллинга 6 пенсъ съ пересылкой.

Precio de suscricion annual: el periodico una vez por semana, y el agenda una vez por anno 12*s.* 6*d.*, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Sunday July 2.

Pharmacist Volunteer Training Corps, Millbank, S.W., at 10 A.M. Parade followed by company drill and presentation to Dr. Leslie Durno. The bacteriology classes will be held as usual on July 5, 6, and 8.

Tuesday, July 4.

Sheffield Pharmaceutical and Chemical Society, Literary and Philosophical Society's Rooms, at 9 P.M. Annual general meeting.

Wednesday, July 5.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting.

NATIONAL ASSOCIATION OF OPTICIANS.—The annual meeting will be held on July 19 at the Albion Hotel, Piccadilly, Manchester.

C. & D. SUMMER ISSUE.—This will be published in the week ending July 29. It will be excellent for all business houses to advertise in, especially by Insets. Write or telephone to the *C. & D.* Publisher, 42 Cannon Street, London, E.C., in regard to the matter.

"THE CHEMISTS' DICTIONARY OF MEDICAL TERMS" has run into a third edition, which has been revised by an eminent practitioner. It contains over 310 pages, with hints on treatment and many other matters useful to chemists. Price 3*s.*, by post 3*s.* 4*d.*, from the *C. & D.*, 42 Cannon Street, London, E.C., or from your wholesale house.

European War News.

Enemy Firms to be Wound Up.

Orders have been made by the Board of Trade requiring the following businesses to be wound up:

British Ceresit Waterproofing Co., Ltd., 100 Victoria Street, London, S.W., manufacturers of a paste which renders cement waterproof. *Controller*: F. Lindsay Fisher, Bassishaw House, Basinghall Street, London, E.C. June 22, 1916.

Griesheim-Elektron, Ltd., registered office, 3 Thames House, Queen Street Place, London, E.C., and Manchester office, Trinity House, 119 Chapel Street, Salford, merchants in dyestuffs and chemicals. *Controller*: William Eaves, 15 Fountain Street, Manchester. June 23, 1916.

Miscellaneous.

V.T.C.—Some eighty-five members of the staff of Allen & Hanburys, Ltd., have just joined local Volunteer Training Corps. (See also p. 35.)

MAJOR R. B. BICKERDIKE, chemical-manufacturer, Blackburn, who was recalled from Egypt by the Minister of Munitions on account of his technical knowledge, has been mentioned in Despatches for work on active service.

LIEUTENANT HORACE D. HARRISON, son of Alderman John Harrison, chemist, Sunderland, of the 10th D.L.I., attached to the Army Corps Cyclists, was mentioned by Sir Douglas Haig in his recent despatch for gallant conduct in the field.

SERGEANT A. H. ROBSON, R.A.M.C., is receiving the new Military Medal for gallantry and devotion to duty, the first granted in his Division. He was on Burroughs Wellcome & Co.'s Dartford staff before he enlisted in the R.A.M.C.

BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.—The following amounts have been received by Mr. W. J. U. Woolcock, 17 Bloomsbury Square, W.C., since the publication of the last list: A. Chapman, 11*s.* 9*d.*, and L. E. Thomas, 19*s.* 9*d.*

AUSTRALIAN TARIFF.—The Interstate Commission on the Tariff recommends alterations in the duty on chemists' counter-scales, magnesia, tooth-brushes, rubber surgical goods (elastic stockings, enema syringes, etc.), opium, bottles, scientific glassware, and fancy boxes

CAPTAIN D. C. ANDERSON, of the Royal Fusiliers, who was reported as wounded, had so far recovered as to be able to get short leave last week-end, and has since returned to the Front. Captain Anderson is a son of the late George Anderson, who was so long on the *C. & D.* publishing staff, and himself was with us when the war began.

CONTRABAND OF WAR.—Asphalt, bitumen, pitch, and tar; sensitised photographic films, plates, and paper; felspar, goldbeaters' skin, and talc have been declared as "absolute contraband" of war.—By a Proclamation, dated June 27, the importation of yeast is prohibited, but licences will be granted to permit of an importation up to about 50 per cent. of the amount imported in 1915.

THE NAME of Captain Joseph Swinburn Townley, R.A.M.C. (T.F.), South Wales Borderers, is included in a War Office list of awards for distinguished service in the field, and the Military Cross is to be awarded to him. Captain Townley is the second son of Mr. T. W. Townley, Ph.C., Keswick. He studied medicine at Glasgow University, taking M.B., Ch.B., as well as the Scottish triple qualification; was house surgeon and physician at Victoria Infirmary, Glasgow; and practised at Bryrhôs, Crickhowell, before the war broke out.

CHEMICALS OF SUSPECT ORIGIN.—The Commissioners of Customs and Excise notify in the "London Gazette" (June 23) that they have seized the following goods as being of suspected enemy origin: Ex s.s. *Onward*, from Switzerland, five parcels (807-11) quinine ethyl carbonate, purporting to be sent by B. Siegfried, Zofingen, Switzerland, to the Chemicalenhandel Rathkamp & Co., Medan, Deli, Sumatra; ex s.s. *J. C. Lacour*, from Denmark, ten parcels (Nos. 441-2, 445-6, and 539-4) neo-salvarsan, sent by L. V. Anderson's Eft., Copenhagen, to Pacton & Remer, Panama; Victor Fabian, San Jose de Costa Rica; Brandir Bergstrom, Buenos Aires: and to Alfredo Hauser, c/o Hinderfield, Martgrom & Co., Buenos Aires.

Military Tribunals' Decisions.

The following are further cases of trade interest which have been reported to us since our last issue:

ACKWORTH (YORKS).—Conditional exemption was granted to Mr. G. E. Guest, chemist and druggist. He deals with 4,000 Insurance prescriptions yearly.

AMBLECOTE.—Mr. A. J. West, chemist and druggist, was granted conditional exemption.

ASH (KENT).—Mr. James Coulthurst, chemist and druggist, obtained conditional exemption.

BATH.—Mr. D. A. Evans, chemist and druggist (Steele & Marsh), 6 Milsom Street, has been granted conditional exemption. Three months' exemption was allowed to Mr. F. J. Summerton, manager of Wilson & Dickenson.

BRENTWOOD.—Mr. R. W. Jones, chemist and druggist, 129 High Street, was granted conditional exemption.

CAMBERLEY.—Three months' exemption was granted to Mr. C. S. Purdey, with Mr. F. A. Cairns, Ph.C.

CLACTON-ON-SEA.—Conditional exemption was granted to Mr. J. W. Privett, chemist and druggist and optician.

DEAL.—Three months' exemption was granted to Mr. A. Buxton, chemist, with the Timothy White Co., Ltd.

DOVER.—Conditional exemption was granted to Mr. A. H. Cartwright, chemist and druggist.

DUNDEE.—At the meeting of the Appeal Tribunal on June 21, Mr. G. M. Davie, chemist and druggist, was granted conditional exemption. The Military Representative complained that the Dundee Pharmaceutical Committee is not co-operating with the military in the matter of the recruiting of chemists. We are informed, however, that it is the Insurance Committee which is at fault, in not submitting to the Tribunal the report of the Pharmaceutical Committee.

ELLAND.—A short exemption was granted to Mr. Milton Stott, a herbalist, 670 of whose customers signed a petition to the Tribunal asking for his exemption from military service.

GILLINGHAM (KENT).—Mr. F. C. Peebles, chemist and druggist, with the Timothy White Co., Ltd., was granted three months' exemption.

HAMMERSMITH.—Mr. R. S. White, chemist and druggist, with Squire & Co., was granted conditional exemption.

HEATHFIELD.—Conditional exemption was granted to Mr. E. Crisp, chemist and druggist.

HERNE BAY.—Exemption until September 30 was granted to Mr. R. C. Waller, with Mr. T. B. Cornfoot, chemist and druggist, Mortimer Street.

HIGH WYCOMBE.—Mr. G. H. Bristow, drug-store proprietor, 214 Desborough Road, was granted six months' conditional exemption.

ILFRACOMBE.—Conditional exemption was granted to Mr. G. D. Dodman, with Mr. F. H. Reed, chemist and druggist.

KINGSTON-ON-THAMES.—Mr. E. S. Holmes, chemist and druggist, trading as Tamplin & Son, was granted conditional exemption.

LEICESTER.—Exemption was refused for an assistant employed by Mr. A. E. Foreman, chemist and druggist. A man who collects herbs, which he sells to chemists and the public, received a month's exemption.

MONTROSE.—Mr. A. W. Ritchie, chemist and druggist, 198 High Street, has been granted conditional exemption.

REIGATE.—Mr. R. H. Williams, chemist and druggist manager at the Bell Street shop of Mr. F. Rogers, was exempted until September 1.

ST. MARY CRAY.—Conditional exemption was allowed to Mr. J. W. A. Preston-Jackson, chemist and druggist.

SEATON (DEVON).—Conditional exemption was granted to Mr. W. E. Davis, manager to Mr. C. F. Gosney, chemist and druggist.

SEVENOAKS.—Mr. D. Finlayson, chemist and druggist, 91 High Street, was granted six months' exemption.

SHEFFIELD.—Conditional exemption was granted to Mr. Machen, representative of Izal, Ltd., who is required to devote part of his time to munition work.

SOUTHWARK.—P. H. Galloway, Ltd., wholesale chemists, Walworth Road, S.E., applied for the exemption of a manager, a departmental manager, a warehouseman, and three carmen. Conditional exemption was granted to the manager and the departmental manager, but the application for the warehouseman was refused. Conditional exemption was also granted the eldest of the carmen.—Mr. John Butterworth, Ph.C., 21 Walworth Road, S.E., applied for the exemption of his son, T. Butterworth, who dispenses eighty prescriptions a day under the National Insurance Act. Conditional exemption was granted.—Mr. Thomas Whales, chemist and druggist, 41 London Road, S.E., applied for exemption for a shop-assistant. Conditional exemption was granted.—James Epps & Co., Ltd., cocoa-manufacturers, Holland Street, S.E., obtained exemption for their only remaining works chemist.

SURBITON.—Mr. James Green, chemist and druggist (Chas. Lowe & Co., Ltd.), was granted conditional exemption.

TUNBRIDGE WELLS.—Mr. T. G. Batting, chemist and druggist, appealed to the West Kent Appeal Tribunal for exemption, but was refused.

WESTERHAM.—Mr. W. Gurnall, chemist and druggist, was conditionally exempted.

WHITBY.—Mr. P. W. E. Atkinson, chemist and druggist, and Mr. Charles Tindale, chemist and druggist, were granted conditional exemption.

WINSCOMBE.—Mr. E. G. L. Cook, manager of a local chemist's business, was exempted until July 2.

WOKING.—Mr. A. H. Price, Ph.C., was granted three months' exemption.

Councillor T. Ridley, Ph.C., Carlisle, presided at a meeting of the town's shopkeepers in the Town Hall on June 20, which insisted that co-operative societies should pay income-tax on their trading profits. In the course of his introductory remarks Councillor Ridley dealt with chemists and Tribunals, and spoke strongly about chemist companies being treated specially.

At the meeting of the Worcestershire Insurance Committee on June 7, the new instruction from the Insurance Commissioners with regard to the exemption of indispensable chemists was considered and the new arrangement for dealing with the staffs of multiple shops. The Commissioners held that such staffs must be considered as a whole in order to see whether a rearrangement could be devised. Therefore they asked the Committee for their advice with regard to nine employés of multiple shops in Worcestershire. One member pointed out that in the list sent of assistants at shops of multiple firms four were from Redditch. It would be unfair, he said, to exempt four men from those shops in that district. It was decided that the list of nine names sent down should be considered by a small Sub-Committee.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

PROFESSOR ELIAS METCHNIKOFF, Paris, is receiving the Albert Medal of the Royal Society of Arts, in recognition of the work he has done in connection with the causes of immunity in infective diseases.

MR. DAVID M. WATSON, Ph.C., 61 South Great George's Street, Dublin, has made such a good recovery from the severe bronchial attack which he recently had that he was able to visit London this week.

THE "DAILY SKETCH" on Tuesday printed photographs of Mr. Beetham Wilson, Dorking, showing him among his belladonna-plants in the field, and also working in his laboratory, volumetric analysis being the particular work.

MR. CHARLES L. HUISKING, chemical and drug broker and merchant, 5 Platt Street, New York, has been visiting London along with Mr. Charles R. Meehan (Arthur A. Stilwell & Co.), New York. Both left this country last Saturday after spending a pleasant business holiday here. We had an interesting conversation with them, and they predicted that the business relations between this country and the United States have an excellent future. Mr. Huisking has established a good connection here, and his visit has consolidated it remarkably well, for he left in a decidedly optimistic frame of mind.

MR. EDWARD F. LINSTEAD, Ph.C., F.C.S., having completed twenty-one years' service with Burroughs Wellcome & Co., the firm has presented him with a solid silver tray of Queen Anne design bearing a suitable inscription. Mr. Linstead joined the staff of the firm in June 1895 as head of the literary and publication department, of which, owing to its growth in size and importance, he was appointed manager in 1907. In making the presentation on behalf of the firm, Mr. George E. Pearson, F.C.S., the general manager, referred to the loyal service Mr. Linstead had always rendered to Burroughs Wellcome & Co., and to his genial co-operation with his fellow managers and heads of departments who desired to join with the firm and himself in offering Mr. Linstead their hearty congratulations.

HEINE & CO., essential-oil makers, Leipzig, state in their annual report that business in Germany has considerably increased since the outbreak of war.

THE MAY-BUG is the last thing to be attacked for fat in Germany and Austria. Two per cent. of fat is said to be the yield, but in Vienna it is pointed out that 10 per cent. of fat can be got, besides 38 per cent. of digestive albumen.

GERMAN FIRM IN SWITZERLAND.—According to a Zurich report published in the "Manchester Guardian" Meister, Lucius & Brüning have purchased the land and buildings of a former large automobile company (the Vulcan Co.) near Zurich, which it is intended to utilise for dyes and colour-making.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Association of British Chemical-manufacturers.

The meeting held at Burlington House, Piccadilly, London, W., on June 22 (see *C. & D.*, June 24, p. 37), was presided over by Mr. Max Muspratt, F.C.S., Liverpool. The Provisional Committee appointed at the meeting on May 23 consisted of Dr. C. C. Carpenter, Dr. Alfred Ree, Dr. E. F. Armstrong, Sir William Pearce, M.P., Mr. H. G. Perry, and Mr. C. A. Hill, and in accordance with the power entrusted to them the following additional members were co-opted: Sir A. Mond, Mr. F. W. Brock, Mr. C. B. Merrian, Mr. Max Muspratt, Mr. R. B. Pullar, Mr. A. T. Smith, Mr. Norman Holden, Mr. John Gray, and Mr. W. J. Wilson. The meeting considered the draft rules and constitution which had been drawn up by the Committee, and it was decided to submit these to legal advisers. A meeting of those who have signified their intention of joining the Association is to be called at a future date to adopt the rules and constitution

National Economy Exhibition.

This exhibition, which is being held at Prince's Skating Club, Knightsbridge, London, S.W., was opened on June 26, and will be continued until July 8. The greater part of the exhibition is devoted to all kinds of food economy, but there are several stalls that interest the drug-trade. On one, various devices for combating the fly peril are shown, the principal of these being Heppell & Co.'s anti-fly sprayer. This is charged with an insecticide, and may be used in the house without fear of damage to furniture or curtains. W. Edge & Son, Ltd., have two stalls, on one of which the "Moovol" stain-remover is displayed, and at the other demonstrations are given of the "Drummer" dyes. Casein, Ltd., are showing "Sanagen" and "Seewa," and Horlick's Malted Milk Co. and the Nestlé and Anglo-Swiss Condensed Milk Co., Ltd., have also attractive exhibits. Conferences are held daily, the lectures next week including "Child Wastage," on July 3, at 3.30, by Dr. Murray Leslie; "Bees," on July 5, at 3.30, by Mr. C. T. Overton; "Poultry-keeping," on the same day, at 7.30, by Mr. G. A. Palmer; and "Saving our Soldiers' Lives," with lantern illustrations, by Dr. Saleeby, on July 8, at 3.30.

Contracts for Disinfectants, etc.

The following contracts have been concluded: Dover Town Council—Sanitas Co., Ltd., disinfectants, 37*l.* 17*s.* York Board of Guardians—F. A. Newry, 18 Layerthorpe, disinfectants. High Wycombe Board of Guardians—Sanitas Co., Ltd., disinfectants. Mutford and Lothingland Board of Guardians—F. A. Hanworth, chemist and druggist, Oulton Broad, chemists' goods. Ross Board of Guardians—Sanitas Co., Ltd., and McDougall Bros., disinfectants, etc. Twickenham U.D.C.—A. Feather, crude cyllin and disinfectant fluid. Lewisham—Oxo, Ltd., for hospital oxo; East London Oil Co., for Abbott's disinfectants; Pryke & Palmer, Sanitas Co., Ltd., and McDougall Bros., disinfectants, etc. In reply to the Board's request, T. Hodgkinson, Prestons & King have advised the Wandsworth Guardians of their willingness to continue the present arrangement with regard to the supply of drugs up to September 30. Milton Regis (Kent) Board of Guardians—Usher's Drug Stores, for chemist's goods (15*l.* 0*s.* 8*d.*).

Liverpool.

Lieutenant A. Lloyd Jones, of the King's (Liverpool) Regiment, who has been awarded the Military Cross, is a cousin of Mr. L. Moreton Parry, the Pharmaceutical Councillor.

A recruiting officer from the War Office has visited the various wholesale and manufacturing firms this week to examine the lists of men of military age and to confer with the principals.

Damancy & Co. have addressed from their Harrow-on-the Hill offices a circular announcing that all the representatives from their former branch in Duke Street, Liverpool, have attested, and that on orders from their district commissions will be allowed to the men while with the Colours. The Liverpool premises have been closed.

Sir Edward Evans completed his three score and ten on Monday, and celebrated the event with the characteristic virility of his family. Along with three companions, each of not less than thirty years of close friendship, he played two rounds of the Royal Liverpool golf course at Hoylake. Sir Edward was in fine form, and was voted the youngest member of the four-ball match. In the evening, at Spital Old Hall, he entertained a family party of twenty-six. Congratulatory messages have been numerous.

Thompson & Capper announce from their Manisty Lane offices the closing of the Bold Street retail branch and the transfer of the business to the Lord Street branch. All the Bold Street assistants have joined the Colours. The Bold Street branch dated from 1798, when it was opened by Thomas Thompson, the great-grandfather of the present managing director. In 1843 Mr. George Thompson, son of the founder, was joined by Mr. S. J. Capper. The present limited company is chiefly engaged in chemical-manufacture and chemical engineering and the manufacture and distribution of their own proprietary articles.

Sheffield.

Mr. Everitt, the Sheffield manager for Bovril, Ltd., who had attested under Lord Derby's scheme, has been called up and stationed at Ripon with the R.F.A.

The Aerated Waters Association are taking active steps with the Chancellor of the Exchequer to obtain a concession for waters supplied to hospitals. These are not subject to any duty if manufactured by the hospitals.

The many friends of Mr. W. Beaulah, district manager of Boots, Ltd., and a member of the Pharmaceutical Committee, will be sorry to hear that he has had a nervous breakdown, and is on a two months' leave of absence at Colwyn Bay.

The Sheffield Joint Committee for Recruiting has decided that the business of Watson & Co. as photographic chemists does not come within their jurisdiction, and suggested that the Tribunal should decide in the ordinary way. Mr. W. E. Heaton, Ph.C., as owner, has secured a three-months' exemption.

Miscellaneous.

THOMAS DENTETH (23), chemist's assistant, Sale, died on Sunday from a self-inflicted wound in the throat.

SALE OF PANOPEPTONE.—Mr. W. H. Harrison, chemist and druggist, Hindley, was fined 2*l.* and costs at Wigan County Police Court, on June 23, for selling a bottle of Panopeptone without a wine-licence.

HERB-COLLECTING is a common occupation just now, foxglove being the hit of the week. It is from this that digitalis is made, says a London morning paper. Other plants mentioned are belladonna and dandelion.

AT PLYMOUTH, in pursuance of the decision of the Advisory Committee, steps have been taken for securing the exemption from military service of chemists, including all registered chemists who conduct their own businesses in the town.

HUDDERSFIELD TECHNICAL COLLEGE, aided by British Dyes, Ltd., will start in September. Dr. A. E. Everest, F.C.S., Lecturer in Chemistry at University College, Reading, will be the head. He is D.Sc. (Birm.) and Ph.D. (Bâle), and worked both at Zurich and in Berlin.

DR. HENRY PERCY JELLEY, Hackney's threepenny doctor, was charged at North London, on June 24 and 27, with the murder of Mrs. Caroline March, when evidence was given by Drs. Brandon and Spilsbury as to the condition of the deceased following the alleged illegal operation by the accused.

PARAFFIN FOR BURN-WOUNDS.—Mr. Albert Gray, K.C., writing to "The Times," recommends treatment of burn-wounds by spraying upon them liquefied paraffin-wax at a temperature of 100° C. As this is the boiling-point of water, and hot enough to cause more wounds, further information is desirable.

FIRES.—The warehouse premises of Martins, Ltd., chemists and druggists, 40 Monks Road, Lincoln, were destroyed by fire on June 16, the damage being estimated at 1,000*l.*—An outbreak of fire occurred on June 23 on the premises of Boots, Ltd., Barry (Glam.). The fire, which originated in the cellar, was confined to a number of packing-cases.

AN "ALLENBURYS" PLATOON has been formed by Allen & Hanburys, Ltd., Bethnal Green, and it was handed over to the local V.T.C. on Monday evening, June 26. Sergeant Burden, Platoon-Commander McCallum, and the Adjutant put the men through their work; then the men marched off, headed by the Camberley Bugle Band. Everything was well done, and a credit to the establishment, the directors, and others who have helped the platoon.

COUNCILLOR E. H. CHURCH, Ph.C., Cambridge, is particularly active just now in the town. On Friday, June 23, he entertained a number of wounded soldiers to a delightful river-trip. On another evening he entertained the Serbian boy refugees at Cheshunt, and engaged Mr. Gambling to entertain them with sleight-of-hand tricks. Incidentally, he taught them quite a number of English words, and very quick the boys were in picking them up. The Mayor was present.

EARLY CLOSING.—A draft order has been issued by the Kingswinford Rural Council for chemists' shops at St.

Mary's, Kingswinford, to close at 8 P.M. on Monday, Tuesday, and Wednesday; 1 P.M. or 8 P.M. on Thursday; 8.30 P.M. on Friday; and 10.30 P.M. or 1 P.M. on Saturday; and those at Brockmoor, Wordsley, and Pensnett at 8 P.M. on Monday, Tuesday, and Thursday; 1 P.M. or 8 P.M. on Wednesday; 8.30 P.M. on Friday; and 10.30 P.M. or 1 P.M. on Saturday.

AGRI-HORTICULTURAL POISONS.—A licence was applied for at Dover on June 20 by G. & A. Clark, florists. Mr. R. M. Ewell, Hon. Secretary of the Dover Chemists' Association, wrote stating that it was not necessary or in the public interest that such licences should be granted. A discussion followed, and the matter was adjourned.

MR. EDMUND JONES, chemist, Hanley, writing to the "Sentinel," shows the kindliness of heart that Lord Kitchener had. Mr. Jones wrote to him to ask leave for a certain Hanley soldier whose wife, on her deathbed, asked to see her husband. He was permitted to return home, and was just in time to see his wife before she died. No reply was received by Mr. E. Jones to his letter, and the man was a few days coming, but it was due to his detention at the base, for he got leave immediately, thanks to Lord Kitchener.

POISONINGS.—The South Staffordshire Coroner has been investigating a case of arsenic-poisoning in which a woman was poisoned by eating rice-pudding which on analysis was found to contain a large amount of arsenic. A man named Piggott, son of the deceased woman, has been arrested in connection with the matter. He is employed at Chance Bros., Ltd., and a witness at the inquest stated that Piggott had complete charge of a locked box containing 3 or 4 cwt. of arsenic.—A widow living at Poplar died from taking ammonia in mistake for water.

THE LORNE GOLF BOWL was won by Mr. L. J. Read (John Timpson & Co., Ltd.) at Wembley Golf Club on June 25. It is a very handsome rose-bowl, presented by the late Duke of Argyll when Marquis of Lorne. Wembley Golf Club members include an excellent representation of the drug-trade: Mr. Carmichael, Dover Street, a very old member; Mr. John Jones, the energetic founder of the London Chemists' Golfing Society; Mr. Parry (De Vilbiss Co.); Mr. Hunter Graham (Liverpool Lint Co.); and "Dr." Watt, an old Society member.

BIGAMY CHARGE.—At Wokingham (Berks) last week, Henry Samuel Freeman, *alias* Wyman, stated to be a chemist but not on the Register of Chemists and Druggists, was committed for trial on a charge of bigamy. It was alleged that he was married in 1892, and last March went through a form of marriage at the Registry Office, Cardiff, with Augusta Evelyn Edwards, Fairwater, Cardiff, who was then a domestic servant in Wiltshire. Mrs. Freeman, 12 Dudley Road, Southall, said she kept a druggist's shop and traded in the name of W. Knee. She was married to Freeman at St. Matthew's Church, Oakley Square, London, in 1892. They resided together until the defendant went to Wiltshire last September, and since then he had gone home for week-ends. There were five children of the marriage, and three sons are serving in the Army. The prisoner was arrested at his apartments in Wokingham Road, Bracknell, when he said that his name was Wyman.

OFFENCES AGAINST THE PERSON ACT.—At Durham Quarter Sessions on June 26, Ellen A. Stainthorpe was sentenced to six months' hard labour for supplying a noxious drug, composed of lead oleate and aloes, for the purpose of procuring abortion (see *C. & D.*, June 10, p. 38).—The case against Marcus Fedderman, chemist and druggist (*C. & D.*, May 20, p. 54) was tried at the Kent Summer Sessions last week, the charge being one of unlawfully supplying certain noxious things called "apioloids," hydrastine and cotarnine tablets, knowing that they were to be used with intent, etc., to Lilian F. E. Ellends. Evidence for the prosecution was given by Miss Ellends, Mr. T. H. Thomas, Dr. Hoffmeister, and Dr. Spilsbury. For the defence the witnesses were the accused and Dr. F. J. Smith. The first-named denied that he had ever behaved improperly to Miss Ellends, and stated that he had given her the medicines for anæmia. The Judge, in summing up, put the following questions (in effect) to the jury: (1) Did prisoner unlawfully supply the things? (2) Did he know the intention with which they were to be used? (3) Were the things noxious? Unless they said "Yes" to all three questions, it was a verdict of "Not guilty." He mentioned as an interesting fact that the recognised case on the subject is that of Cramp, heard before the late Mr. Justice Denman at the Kent Assizes in 1880, and upheld by the Court of Crown Cases Reserved, presided over by the late Lord Chief Justice Coleridge. The jury returned a verdict of "Not guilty," and accused was discharged.

Scottish News.

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North British Branch.

The new Executive of the North British Branch of the Pharmaceutical Society met after the annual meeting and re-elected Mr. David Gilmour (Dunfermline) as Chairman and Mr. William Giles (Aberdeen) as Vice-Chairman. They, with Mr. W. B. Cowie, were appointed delegates to the meeting of the British Pharmaceutical Conference in London on July 11. Other work for the coming year was arranged.

Dundee.

Female assistants are becoming commoner in Dundee pharmacies. Even Boots' branch in Reform Street has one now.

The Mackie Academy Golf Club's silver cup has been won by Master F. Wood, son of Mr. A. L. Wood, chemist and druggist, Stonehaven.

Mr. Rutherford Hill attended a meeting of Dundee panel chemists at Mathers' Hotel, on June 22, when the military service position was gone into (see p. 34).

The directors of the Dundee Dental Hospital on Tuesday formally approved the terms as set forth by the St. Andrews University Court for granting the diploma of L.D.S., Dundee, and the lecturers on the various branches of dental surgery were approved.

Edinburgh.

A homely recipe, much favoured by Outlanders at present, consists of equal parts of honey, cod-liver oil, and glycerin.

One or two wideawake chemists, hearing of the presence of strangers, have been reintroducing to the public view—with beneficial results to themselves, and presumably to others—what they have left of stocks of once popular proprietaries.

Mr. John Lothian, of J. F. Macfarlan & Co., has given some hints in "The Scotsman" as to the cultivation and collection of aconite, belladonna, dandelion, and digitalis. Miss Mabel M. Roase (St. Andrew's) tells in the same paper that she is endeavouring to start in Fife a branch of the Herb-growing Association, of which there are already three in Scotland—Perthshire, Ayrshire, and Helensburgh.

Fife.

The great new aluminium-works of the British Aluminium Co., Ltd. (which, as reported in the *C. & D.* some time ago, will be the largest of the kind in the world), are being rapidly pushed forward. Large consignments of machinery have been installed, and last week plans were submitted for the erection of still larger additions to the already large buildings. It is estimated that the output will be "prodeegious."

In a hurried run through Kirkcaldy, the most striking chemists' windows observed by a correspondent were those of Mr. A. G. Adamson and Mr. J. Peebles. The former has a very pretty display of lily-cream soap, tastefully shown, artificial water-lilies, arranged artistically, giving grace to the window. No. 2 window is devoted to phosphlimes thirst-quenchers. The window is draped in green velvet, with giant bottles of phosph-limes as a background. Effective showcards arrest attention. Mr. Peebles devotes his window to drugs of proved merit, such as sulphur and ginger, arranged in piles and suitably labelled, with preparations arranged alongside.

Glasgow and the West.

Fresh infusions are coming into favour again. Several doctors in the city are returning to simpler remedies and to "walk in the ways of their fathers."

At the Commemoration Day of the Glasgow University on Monday, Emeritus Professor Ferguson, F.C.S., was presented with the honorary degree of LL.D.

Qualified chemists must be scarce. An advertisement appeared in the local newspapers for an assistant. Applications from those sitting at the July examination are specially asked for.

The 1916 fly-killing campaign is now on, and local chemists are again supplying demands for exterminators and answering innumerable questions as to the best means of destroying these pests.

Great strides have been made in the moss-litter industry of the Corporation at Palacerigg. The Glasgow product is admittedly superior to what we used to import from Germany, and now the demand exceeds the supply.

"I was surprised," says a correspondent of a local evening paper, "when a chemist in town tried to push an American brand of tooth-paste on to me instead of the English brand I had asked for." He adds something to the effect that this is common in Glasgow!

At a meeting of the Board of Management of the Chemists' Friendly Society on Thursday evening, June 22, Mr. J. H. Murphy (President) in the chair, the Manager reported the funds to be in a satisfactory position in all departments, and expected that the Government audit for 1915 will shortly be completed.

The Pharmaceutical Committee have arranged to deal with appeals under the new Military Service Act *en bloc*, and over 100 have been received by the Secretary. The military authorities have agreed to act along the lines previously decided upon between the bodies concerned. The only difference is that all exempted persons must have a certificate of exemption to show.

The following lines by *G.* (259/42) are appropriate to this part of the country, and pertain to a Glaswegian loss:

In Biblical days, when the world was young,
Be it scrivener, poet, or priest,
The Scriptures record with unanimous tongue
How the wise men came out of the East.

What a boxing the compass has suffered since then
Can by recent appointments be guessed;
For when Pharmacy hollers for eminent men
All the highbrows pop up from the West.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

The annual excursion of the Chemists and Druggists' Society of Ireland took place on June 28 to Newcastle.

The tender of Alex. Boyd & Co., Lisburn, for the supply of drugs, dressings, and washing-soda to the County Antrim Infirmary has been accepted.

Mr. W. R. Browne, Ph.C., 28 Falls Road, Belfast, has taken over the business carried on for many years at 124 Newtownards Road by Mr. John S. Shaw, who died recently.

Captain W. R. Buchanan, 15th Royal Irish Rifles, whose name appears in the casualty-lists, was when he joined the Army in 1914 with Wm. Dobbin & Co., Ltd., chemists and druggists, North Street, Belfast, in charge of the photographic and optical department.

At Enniskillen Quarter Sessions on June 24, before Judge Johnston, William Sinclair Ritchie Taylor, a minor, by his father, Mr. S. Taylor, chemist, Enniskillen, sought to recover 50*l.* damages from John White, Eden Street, Enniskillen, a horse-dealer, for assault. White had previously been fined by the Magistrates for assaulting young Taylor (*C. & D.*, June 17, p. 34). The Judge awarded 20*l.* damages, certifying for counsel's fee and doctors' expenses.

The Local Government Board for Ireland has issued a circular-letter calling the attention of medical officers of workhouses and dispensary districts throughout the country to the fact that greatly enhanced prices are now paid by the Guardians under contract for drugs, surgical instruments, and medical and surgical requisites, and urging medical officers to exercise the strictest economy in the use of drugs and surgical appliances and instruments.

The Local Government Board have intimated to the Cashel Board of Guardians that they are prepared to sanction a remuneration of 12*l.* 12*s.* to Mr. D. J. O'Mahony, drug analyst, being at the average rate of 6*s.* per sample analysed during the past year. The Clerk said that the Local Government Board had sanctioned Mr. O'Mahony's appointment two years ago at 15*l.* per annum. They could not go behind that, and he suggested that the Board be informed of the facts. The suggestion was adopted.

At Newtownards County Court on June 22, Robert Wilson, Newtownards, sued David Kell, Downshire Road, Belfast, druggist's assistant, to recover 20*l.*, damages for the loss of a horse and injury to a cart through collision with defendant's motor-bicycle. There was a cross-case brought by Kell against Robert Wilson to recover 20*l.*, damages for injuries to his motor-bicycle on the same occasion. After hearing evidence, the Judge said that as he believed both parties contributed by negligence to the accident he would dismiss both cases.

At Larne Petty Sessions on June 27, Thomas Agnew, Millbrook, Larne, was charged, under the Sale of Food and Drugs Act, with selling seidlitz powders deficient in tartaric acid to the extent of 50 per cent. Mr. H. H. Smiley, solicitor, who appeared for the defence, contended that no conviction could be sustained, because of the procedure in sending the samples for analysis. The inspector purchased six powders, sealed two for the analyst, gave two to the defendant, and retained the other two; therefore the powders in the possession of the defendant were not a part of the powder which had been analysed. The inspector replied that in the procedure which he had adopted he had strictly followed the instructions of the Department. By a majority the Magistrates dismissed the case.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Province.

WINTER WEATHER.—Writing on June 2, our correspondent states: "We are in the midst of an early winter. The weather is very cold, and there is snow on Table Mountain this week."

PRICE REGULATION.—A well-attended meeting of retail chemists was held at the Pharmaceutical Society Room, Darling Street, Cape Town, on May 29. Mr. H. R. Peck presided, and in his opening remarks stated that a week or two ago a meeting of chemists had been held to decide on a uniform scale of retail prices. At that meeting a Committee had been appointed to go into the matter, and the meeting had been called together to discuss the report of that Committee. The report, which consisted of several clauses and sub-clauses, was then read, and several items gave rise to animated discussions. Dispensing-charges, prices of patent and proprietary medicines, sundries, and surgical goods were all touched upon. It was ultimately decided that a price-list be drawn up and submitted to the retail chemists for approval, with a view to adoption as the official price-list, each chemist to make an alteration or deletion which he thought necessary, and to return the list to the Chairman (Mr. H. R. Peck) within seven days of receipt. When this has been done a further meeting will be announced.

Transvaal Pharmacy Board.

A MEETING of the Transvaal Pharmacy Board was held at Johannesburg on May 18, the President (Mr. B. Owen Jones) being in the chair. Others present were Messrs. J. H. Dinwoodie, A. Rennie, and J. Christie, and the Secretary. It was reported that certain incorporated companies carrying on business as chemists and druggists are not complying with the provisions of Section 37 of the Ordinance as regards having a registered chemist and druggist in the position of managing director. The action taken by the Executive Committee in reporting the facts of one case to the Attorney-General, and of two others to the Registrar of Companies, was confirmed. It was reported that the Public Prosecutor of a Magistrate's Court had drawn attention to the fact that certain chemists in Johannesburg are in the habit of sending out native employés to hawk medicines among natives employed in mine and other compounds, and the Public Prosecutor suggested that the matter is one which might form a subject for inquiry by the Board in terms of Section 44 of the Ordinance. It was accordingly decided that a warning notice be issued to registered chemists. The following registrations were confirmed: Jacob Berelowitz, pharmaceutical chemist, G.B.; John Glen, chemist and druggist, G.B.; Bennie Cohen, chemist and druggist, G.B.; William Holder, chemist and druggist, Transvaal. At the last meeting of the Board it was decided to appoint an Examining Board, consisting of four examiners not being members of the Pharmacy Board. Hitherto the examiners had been appointed, with the sole exception of the examiner in chemistry and physics, from among members of the Pharmacy Board. The Examining Board as appointed at the last meeting was constituted as follows: Dr. J. McCrae, Ph.D., chemistry and physics; Charles Keir, practical pharmacy and dispensing; Robert Macintosh, Ph.C., botany and materia medica; and James M. Braes, Ph.C., pharmacy and prescriptions. A draft of the rules governing the duties of the Examining Board was submitted to the meeting and adopted. At the last Qualifying examination four candidates presented themselves, of whom two passed—viz., Israel Cooper and Isaac Isaacs. Copies of the annual report and accounts were laid on the table.

Legal Reports.

A Nationality Question.—In the King's Bench Divisional Court, London, on June 21 and 22, Mr. Adolf Jaffe, F.C.S., appealed from a conviction by the West Riding Magistrates under the Aliens Registration Consolidation Order, 1914, on a charge of not having registered himself (*C. & D.*, November 20, 1915, p. 41). After hearing Mr. Waugh, K.C., for the appellant, and Mr. Lowenthal for the Magistrates, the Court dismissed the appeal, Mr. Justice Darling saying that the appellant was born in Germany and did not become a British subject because his father became naturalised in this country. Mr. Waugh sought leave to take the case to the Court of Appeal, but their Lordships pointed out that, as this was an appeal from a conviction, the leave could not be granted.

Poisons and Pharmacy Act, 1903.—At the Clerkenwell Police Court, before Mr. d'Eyncourt, on June 26, Percy J. West was charged, under Section 5 of the Act, with selling liquid ammonia in a Worcester-sauce bottle. The case was instituted by the Pharmaceutical Society, whose agent, George Waldock, was the purchaser, having failed to buy a poison from the defendant. He said that he first took the bottle to the Society, then, acting on instructions, took it to the police and handed it over to the inspector. Witness explained to the Magistrate the conditions that apply to the sale of liquid ammonia. Evidence was also given by Professor H. L. Smith, B.Sc., F.I.C., of the School of Pharmacy, who dealt with the injurious properties of liquid ammonia. He answered questions put by the Magistrate and by Mr. Ricketts, the defendant's solicitor. The Magistrate found the charge proved, and fined the defendant 4*l*.

A Benzol Contract.—At the Southport County Court, before Judge Thomas, on June 20, George Ball, Ltd., druggists, etc., Lord Street, Southport, sued Mr. John White, 18 Marchfield Road, Orrell Park, Liverpool, for 35*l*. as damages for breach of a contract entered into by the defendant with the plaintiffs on July 27 last, whereby in consideration of 54*l*. 3*s*. 4*d*. paid by the plaintiffs to the defendant the latter agreed to deliver to the plaintiffs 1,000 gals. of benzol. There was no appearance on the part of the defendant, but it was explained that the Government had commandeered benzol, so that he was not in a position to perform the contract. Eventually Mr. Richards, managing director of the plaintiff company, arranged with the defendant to take other goods from him, and he did send him 19*l*. 2*s*. 6*d*. worth of turpentine. Defendant wrote promising to send the balance of the money back (35*l*. 0*s*. 10*d*., the amount of the claim), but he had not kept that promise. His Honour gave judgment for the plaintiffs for the amount claimed, with costs.

Contract for Tin Boxes.—At the Shoreditch County Court, before Judge Cluer, on June 27, a claim for 10*l*. 4*s*. 2*d*. was made by J. King & Co., Kingsland, in respect of the supply of tins for a War Office contract to the North London Tinware Co., Crondall Street, N.E. The claim was admitted, but there was a counterclaim for 49*l*., loss of profit owing to failure to complete a contract for 12,000 tins. The defendants said the price of tins rose from 11*s*. 6*d*. to 15*s*. a dozen, the price being fixed by the Tin-box Manufacturers' Association, Liverpool, of which both firms were members. His Honour commented strongly upon this, and said it was an artificial price to bleed the country through the war. Mr. Biggs (partner in the defendant firm) said it was a fair price. His Honour disagreed, adding that if a few hundred manufacturers combined and said they would not pay the inflated prices it would soon bring them down at the mines. He was also inclined to say that the Association was a fraudulent combination. "This," he concluded, "is a conspiracy among manufacturers to raise prices and bleed the country."

Goddard's Plate-powder.—In the Chancery Division of the High Court, London, before Mr. Justice Sargant, on June 23, Joseph Wallis Goddard (trading as J. Goddard & Sons), manufacturing chemist, Leicester, moved for an injunction to restrain Florian J. Hyam and Miss J. Goddard, London, from selling plate-powder as "Goddard's plate-powder." Mr. Romer, K.C., for the plaintiff, stated that Miss Goddard had put in evidence which he would have to deal with, and he asked that the motion as against her should be allowed to stand for another week. Mr. Hyam was willing to submit to a perpetual injunction if the plaintiff did not ask for costs. Miss Goddard was a manufacturer, and she said that she and her father had been doing what was complained of for a great number of years. His Lordship made an order staying all proceedings against the defendant Mr. Hyam on his giving a perpetual undertaking in terms of the notice of motion, and the motion against Miss Goddard was adjourned for a week.

Trading with the Enemy Act.—At Bow Street Police Court, London, before Mr. Hopkins, on June 23, F. Schutze & Co., Ltd., chemists' sundrymen, Black Bull Works, Caledonian Market, were summoned for not reporting to the Public Trustee amounts due by them to enemies, and Frederick Schutze was summoned for being a party to the failure to do so. Mr. Travers Humphreys, who appeared in support of the summons, explained that it was recently discovered by examination of the books of the company, of which Mr. Schutze is the managing director, that sums amounting to 641*l*. were owing to alien enemies, and no return as to these items had been made to the Public Trustee. There were four summonses against the company, but only two had been taken out against Mr. Schutze himself, as he had been ill, and put to a great deal of trouble and expense through the conduct of his late manager, a German named Studer, whom he had prosecuted for blackmail. Mr. Muir, who appeared for the defence, said Mr. Schutze had been put to great trouble and anxiety by the conduct of Studer. His health was affected, and he was not aware that it was necessary to make these returns, but as soon as his attention was called to the matter he made them. The Magistrate stated that he had listened to Mr. Muir with interest, but the fact remained that Mr. Schutze and his company had incurred penalties amounting in all to about 12,000*l*. Mr. Schutze must pay a fine of 100*l*., and ought not to consider himself badly treated. The company must pay a fine of 250*l*., and 15*l*. 15*s*. costs.

Carbolic-acid Plant.—In the King's Bench Division, Dublin, last week, before Mr. Justice Kenny, in an intended action in which the intended plaintiffs were Roderic P. O'Connor, Thomas Dillon, and the Larkfield Chemical Co., Ltd., and the proposed defendants were Blair, Campbell & McLean, Ltd., Mr. Timothy Sullivan, on behalf of the intended plaintiffs, applied for liberty to issue and serve the writ out of the jurisdiction. Counsel moved on the affidavit of Mr. Roderic P. O'Connor, 4 New Brighton, Monkstown, co. Dublin, who stated that prior to the incorporation of the Larkfield Chemical Co., Ltd., he carried on, with Mr. Thomas Dillon, the business of manufacturing chemists and chemical-workers at Larkfield, under the name of the Larkfield Chemical Co. The proposed defendants were, he believed, a Scottish limited company, Woodville Street, Govan, whose business was the manufacture and supply of chemical plant and machinery. In August 1915 Thomas Dillon and deponent entered into a contract with them for the supply of a carbolic-acid still and refining-plant for 450*l*. The terms were contained in correspondence in the months of May, June, July, and August 1915, from which it appeared that the proposed defendants undertook, *inter alia*, that the plant and still would be delivered within eight weeks of the order or thereabouts, and that the still would give a recovery of 30 per cent. of phenol crystallising at 30° to 40° C. The deponent in his further affidavit alleged breaches of the contract. His Lordship granted the application.

A Chemists' Agreement.—In the King's Bench Division, London, on June 23, Mr. Justice Rowlatt heard an action by Geo. T. Holloway & Co., Ltd., consulting chemists, etc., Emmett Street, Limehouse, against Mr. Robert Allen, chemist, Leigh-on-Sea, claiming a balance of certain money that it was contended was due under a verbal agreement. The defendant denied liability. Mr. Holman Gregory, K.C., for the plaintiffs, explained that by an agreement of July 23, 1913, the defendant was appointed manager to the plaintiff company at a salary of 400*l*. per annum, with 20 per cent. commission on the net profits. About May 1914 Julius Weil & Co., London, wanted the defendant's services in Rhodesia, and Mr. Geo. T. Holloway allowed the defendant to go, the defendant agreeing verbally to pay to the plaintiffs half of any fees paid by Julius Weil & Co., the defendant continuing to receive his salary and commission in the meantime. The fees agreed to be paid to the defendant by Julius Weil & Co. were 300*l*. for the first three months and 200*l*. for each subsequent month. In June 1914 the defendant went to South Africa, and was detained there longer than was expected owing to the war. The case for the plaintiffs substantially was that for the first few months they received half the fees as agreed, but the defendant had not paid anything further, and on account of this they had since December 1914 ceased to pay further salary and commission to the defendant, who now counterclaimed. Mr. Justice Rowlatt, after hearing evidence, decided for the plaintiffs upon the arguments on the claim, and for the defendant on part of his counterclaim; but no judgment upon figures was recorded, the parties being left to agree these after a consultation.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

BRITISH ELECTRO-CHEMISTS, LTD. (P.C.).—Capital 10,000*l.* The first directors are B. G. Clark, C. Bowen, E. D. Taylor, and B. P. Crawshaw. R.O., 7 Ely Place, Holborn Circus, E.C.

FULLERS CARBON AND ELECTRICAL CO., LTD. (P.C.).—Capital 25,000*l.* The first directors are: G. Fuller, G. J. A. Fuller, and L. Fuller. R.O., Grove Road, Chadwell Heath, Essex.

ESSENTIAL ARTIFICIAL LIMB CO., LTD. (P.C.).—Capital 500*l.* The first directors are: R. W. Bollams, H. H. Thomas, F. C. Spees, and H. R. Webb. R.O., 24 South Molton Street, W.

ROBARTES, LTD. (P.C.).—Capital 100*l.* Objects: To carry on the business of manufacturers of and dealers in toilet-preparations, medicines, drugs and chemicals, etc. The first directors are: R. Clermont and A. H. Roller. R.O., 128 Jermyn Street, S.W.

JOHNSEN & JORGENSEN FLINT GLASS, LTD. (P.C.).—Capital 50,000*l.* Objects: To take over and carry on the flint-glass department of Johnsen & Jorgensen, Ltd., glass manufacturers and merchants, dealers in druggists' sundries, etc. The first directors are: W. M. Johnsen, J. Jorgensen, and I. Throndsen. R.O., 26-27 Farringdon Street, E.C.

EDWARDS' HARLENE, LTD. (P.C.).—Capital 50,000*l.* Objects: To acquire the business and assets of R. Edwards in relation to Edwards' Harlene. The subscribers are: R. Edwards, 22 New Cavendish Street, W., merchant; L. G. Day, 25 Arcadian Gardens, Wood Green, N., manager of Edwards' Harlene Co.; and T. C. Bench, 204 Richmond Road, Kingston-on-Thames, journalist. R. Edwards is permanent governing director and chairman. Solicitors: Nicholson, Graham & Jones, 24 Coleman Street, E.C.

ERNEST JACKSON & CO., LTD. (P.C.).—Capital 12,000*l.* Objects: To develop and extend the business of a lozenge manufacturer and manufacturing chemist as formerly carried on by E. J. Jackson as "Ernest Jackson & Co." and the "Glycerole Co." at Crediton, Devon, and at Plantain Place, Crosby Row, Borough, S.E. No retail business of a chemist, druggist, or oil and colourman may be carried on by the company in Crediton or within five miles from the Parish Church thereof. The first directors are: F. E. Jackson (permanent managing director, special qualification 3,500 ordinary shares), F. N. Smallman, and W. H. Jackson. R.O., Medicinal Lozenge-works, High Street, Crediton, Devon.

SANDOW, LTD.—On June 27 Mr. Justice Astbury made the usual order for the winding-up of this company.

MELLIN'S FOOD, LTD.—Dividend of 3 per cent., less tax, on the ordinary shares, for the year, absorbing 3,825*l.*, of which 637*l.* has already been paid as an interim dividend; 15,608*l.* forward.

PARKE'S DRUG-STORES, LTD., announce the payment on July 4 of the interim dividend on ordinary shares for the half-year ended March 31 at the rate of 6 per cent. per annum, less income-tax.

"SANITAS" CO., LTD.—The annual meeting was held at Winchester House, Old Broad Street, London, E.C., on June 28. Mr. C. T. Kingzett, F.I.C., F.C.S., presided, and, in moving the adoption of the report and accounts (see *C. & D.*, June 24, p. 39), referred to the new preparations introduced and the expansion in export trade, which had made immense strides during the past twelve months. The report and accounts were unanimously adopted.

BOOTS CASH CHEMISTS (EASTERN), LTD.—The annual meeting was held on June 28 at the Midland Grand Hotel, St. Pancras, London. Sir Jesse Boot, J.P., presided, and, in the course of his speech, said, in regard to the supply of fine chemicals: "Many difficulties have been encountered in this connection during the past twelve months, but many successes have attended our efforts. Large sums have been spent in chemical apparatus and machinery, as well as in research-work; and, frankly, I think that, without boasting, I may fairly claim that we have made more progress than any other firm in supplying for pharmaceutical use synthetic organic chemicals not previously manufactured in this country."

COLLECTION AND CULTIVATION OF MEDICINAL PLANTS.—A Society has been founded in Italy for the purpose of promoting the gathering and cultivation of medicinal plants.

Births.

Authenticated notices are inserted without charge.

MCMICHAEL.—At the Medical Hall, Ballycastle, on June 14, the wife of James A. McMichael, of a daughter.

RITCHIE.—At Dundas Street, Stromness, on June 18, the wife of John Ritchie, chemist and druggist, of a son.

WEALE.—At the Gunyah private hospital, Ashfield, Sydney, N.S.W., on May 10, the wife of W. Vaughan Weale, chemist and druggist, of a daughter.

Marriages.

Authenticated notices are inserted without charge.

BROWN—FOULIS.—At 1 Victoria Crescent, Dundee, on June 21, Thomas R. Brown, chemist and druggist, to Edith Maude, daughter of Mrs. R. Foulis.

EVANS—NORTHOVER.—At St. John's Church, Tisbury, on June 12, John Evans, chemist and druggist, son of Mr. John Evans, Edgbaston, to Dorothy Ethel, daughter of Mr. Richard Northover, Tisbury, Wilts.

GRINTER—GRAY.—At Leytonstone, N.E., on June 24, Second-Lieutenant Trayton G. Grinter, Border Regiment, to Winifred, daughter of the late Alfred F. Gray, Ph.C., The Highlands, Leytonstone.

HEAZLEY—MACBETH. — At Newtownbreda Presbyterian Church, on June 6, by the Rev. W. J. Guy Macbeth, B.A. (brother of the bride), assisted by the Rev. W. Witherow, Herbert Douglas Heazley, Ph.C., Woodstock Road, Belfast, to Elizabeth Marguerita Macbeth, B.Sc., elder daughter of Mr. Wm. Macbeth, Victoria Terrace, Cregagh, Belfast.

RYLAND-BARTON—FLANDERS.—At St. Margaret's Church, Leiston, on June 21, Lieutenant George H. Ryland-Barton, 2/1st Welsh Royal Garrison Artillery, to Irene Louise, daughter of Mr. Henry Flanders, chemist and druggist, Cambridge. [It will be remembered that the bride delighted by her singing the British Pharmaceutical Conference visitors to Cambridge in July 1910.]

SINCLAIR—SUTHERLAND.—At Queen Street, U.F. Church, Edinburgh, on June 24, John Sinclair, pharmacist, Malacca, S.S., to Helen Dunbar, youngest daughter of the late Jas. Sutherland, Ulbster, Wick.

TIRARD—DURY.—At St. Philip's, Kensington, on June 24, Nestor Seppings Tirard, son of Sir Nestor Tirard, M.D., to Mabel Theodora Lucy, daughter of Mr. and Mrs. T. S. Dury, of Nevern Square.

WHITTAKER—COUPE.—At Manchester Road Wesleyan Chapel, Haslingden, on June 22, James H. Whittaker, chemist and druggist, to Alice Coupe.

WRIGHT—BLEZARD.—At St. Paul's Church, Oswaldtwistle, on June 21, Thos. S. Wright, chemist and druggist, manager of the Chorley branch of Boots, Ltd., to Nellie Blezard.

Deaths.

Authenticated notices are inserted without charge.

BUNKER.—At 30 York Street, Twickenham, on June 27, Mr. Charles James Garibaldi Bunker, chemist and druggist, aged fifty-two. Mr. Bunker was very well known in the drug-trade from his association with many trade movements in which he took a prominent part. He was the son of a chemist, to whose business in Great Dover Street, London, S.E., he succeeded. He passed the Minor in 1885, and was at one time an assistant at Hampstead. Some fifteen years ago he purchased a freehold house in Twickenham, and removed there, building up a fine dispensing and optical business, as well as a reputation for trustworthiness and courtesy. He had another business in Lillie Road, Fulham, S.W. When the diploma scheme of the Spectacle-makers' Company was launched in 1898 he passed the examination for the Fellowship, and he was also a

MR. C. J. G. BUNKER.

member of the British Optical Association. When the Society of Chemist-Opticians was founded in 1904 Mr. Bunker, who took great interest in the movement, was elected first President, and he afterwards followed Mr. Alfred Higgs, J.P., in the office of Treasurer, which he held at the time of his death. He was an active member of the Proprietary Articles Trade Association, and in 1903 filled the office of President. He was also, in 1904, Chairman of the Chemists' Defence Association. For the second time Mr. Bunker was last November elected President of the Thames Valley Pharmacists' Association, which has the reputation of being one of the most active of the local Associations in the neighbourhood of London. He had also filled most of the other offices in connection with this Association. He leaves a widow, two sons, and one daughter. One of his sons (Lieut.-Colonel S. W. Bunker) is a chemist and druggist, B.Sc. Lond., and F.I.C., and was for a time in the analytical laboratories of Wright, Layman & Umney, Ltd. The other son is also with the Forces. The funeral will take place at Nunhead Cemetery on July 1, at 3.30 P.M. The service will be at St. Mary's Parish Church, Twickenham, at 2.30 P.M.

BARTLETT.—Recently, at Banbury, Mr. Hubert Bartlett, J.P., chemist and druggist, aged sixty-five, a former Mayor of the borough and a prominent Freemason.

BLAZÉ.—Recently, at Ipoh, F.M.S., Mr. Daniel S. Blazé, who was well known for nearly fifty years in Ipoh and Penang as a medical practitioner and proprietor of a drug-store. Although eighty-two years old, he attended his place of business until within two days of his death.

BROWN.—At Byker Terrace, Walker-on-Tyne, on June 22, Mrs. John Walker, widow of John Walker, chemist and druggist. She is survived by two sons and four daughters. The elder son, Sergeant-Major R. B. Brown, is with the R.A.M.C. abroad, and the younger son, W. Noel Brown, is in the Navy.

COPPING.—At 108 Hyde Road, Ardwick, on June 27, Mr. Geo. J. E. Copping, who carried on a drug-business, was found dead. At the inquest death was found to have resulted from heart-disease.

DAVIES.—At 154 Liverpool Road, Great Crosby, on June 20, Mr. Edward Davies, F.C.S., analytical and consulting chemist, aged eighty-three. Mr. Davies was well known to Liverpool pharmacists, having been a member of the Liverpool Chemists' Association from 1864, its Hon. Secretary from 1866 to 1870, its President from then until 1873, and a member to the end. He communicated many papers to the Association (twenty-four from 1864 to 1881), and was one of an old generation whose work helped to make the Liverpool Association known wherever British pharmacists are. He was a Manchester man, and a pupil of Professor Crace Calvert. After his early training he went to Runcorn as chemist at the works of J. & T. Johnson, and settled in Liverpool in 1864, his laboratory being at the Royal Institution, Colquitt Street, and later 28 Chapel Street, where his son, Mr. H. E. Davies, M.A. (Cantab.), B.Sc. (Lond.), F.I.C., became associated with him, and took over the practice ten years ago, when Mr. Davies retired. He had been a Fellow of the Chemical Society for fifty-eight years.

PARTRIDGE.—At 105 Headstone Road, Harrow, on June 16, Mr. Alan Robert Partridge, manager of Mr. Wm. Breingan's branch pharmacy, aged sixty-one. Mr. Partridge formerly lived at Reading. Death took place from heart-failure. He leaves a widow, a son (Private H. G. Partridge), and a daughter.

STEWART.—At Castle Douglas, on June 23, Mr. William Stewart, chemist and druggist, aged eighty-five.

Died on Service.

BRIGHOUSE.—Private Charles Edwin Brighouse, eldest son of Mr. C. D. Brighouse, chemist and druggist, Hull, has been killed in action in France, aged twenty-three. He went to Canada five years ago, and was farming in the North-West when the war broke out. He returned to England and enlisted.

MARSHALL.—Private Hector Marshall, of the Canadian Contingent, has died from wounds, aged eighteen. He was formerly with Mr. James Walker, chemist and druggist, Ellon.

TATLOCK.—At Salonica, on June 19, Lieutenant R. R. Tatlock, Army Service Corps, second son of Mr. R. R. Tatlock, F.R.S.E., city analyst of Glasgow.

BOOTS, LTD., have purchased the old-established dispensing business lately carried on by Mr. Wm. Ashby at Mansfield Road, Nottingham. The old staff has been retained.

Wills.

THE LATE JOHN PEDEN, analytical chemist, Greenock, left estate valued at 3,196*l.*

THE LATE THOS SHIELDS, of Thos. Shields & Co., Ltd., Dundas Street, Glasgow; left personal estate of 1,233*l.*

THE LATE JOHN FREELAND, chemist and druggist, Bathgate, left personal estate in the United Kingdom valued at 1,068*l.*

MR. NATHANIEL EDWARD ROBERTS, M.B., C.M., Y-Craig, Menai Bridge, Anglesea, formerly of 17 Mulgrave Street, Liverpool, who before becoming a medical practitioner was a chemist and druggist, and died on February 19, left estate valued at 11,890*l.* 10*s.* gross, with net personalty 11,796*l.*

MR. CORNELIUS HANBURY, M.R.C.S., F.I.C., of The Manor House, Little Berkhampstead, Herts, Chairman of Directors of Allen & Hanburys, Ltd., 37 Lombard Street, E.C., who died on April 11, left estate of the gross value of 180,186*l.* 17*s.* 3*d.*, the net personalty amounting to 158,307*l.* 8*s.* 3*d.* The executors are his son, Mr. Frederick J. Hanbury; Albert A. Head, Wimbledon; Sir Edward H. Carlisle, Ponsbourne Park, near Hertford; and Mr. Percy King Allen, Tunbridge Wells. Testator gives his ordinary shares in Allen & Hanburys and their subsidiary companies in trust to pay two-ninths of the income thereof to his daughters Eleanor, Charlotte, and Edith Mary during the life of two of them and one-ninth to the surviving one; one-ninth to his daughter Elfreda Jane; one-ninth to his daughter Elizabeth; and subject thereto for his son, and his other shares, debentures, etc., in such companies to all his children. He also gives the freehold property in Plough Court, and Bury Field, Ware, to his son; leasehold property in Lombard Street in trust for his daughters Eleanor, Charlotte, and Edith Mary for life, with remainder to his son; property at Little Berkhampstead in trust for his spinster daughters; an annuity of 70*l.* to Miss Fanny Janson; 100*l.* each to the executors; 300*l.* to John Netherway, Secretary of Allen & Hanburys; 100*l.* to Josephine Emma Corby, if living with his family; 75*l.* to John Podmore; 35*l.* to Edward Lowman; 30*l.* to Robert Mulley; 20*l.* to Nurse Helen Settle; an annuity of 20*l.* to Miss Burr; an annuity of 20*l.* to Sarah Markham; an annuity of 8*l.* to John Tuttle; and the residue of the estate to his son.

India and the East.

(From the "C. & D." Correspondents.)

MR. J. D. JENKINS, managing director of Phillips & Co., Ltd., chemists, Bombay, has been appointed by the Governor of Bombay a nominated member of the Legislative Council. Mr. Jenkins had been a nominated member of the Bombay Municipal Corporation since March. He was Master of the Bombay Trades Association last year, and is doing excellent work among the mercantile community in Bombay, to which city he went in 1912. Mr. Jenkins was formerly on the staff of Mr. John F. Harrington, Kensington, W.

PERFUMED-SPIRITS DUTY.—A circular issued by the Indian Customs says: "In the Indian Tariff (Amendment) Act, 1916, perfumed spirits are shown as a separate class, on which the rate of duty is fixed at Rs. 18.12 per imperial gallon. Perfumed spirits will continue to be defined as indicated in the letters of the Government of India, No. 2455-2470-24, dated March 29, 1910, and No. 2766-2769-33, dated April 16, 1914, instructions in the terms of which have been issued to Collectors of Customs. The Government of India have, however, decided to allow perfumed spirits, if under proof, to be assessed on their actual strength. This ruling supersedes that given in the Government of India letter No. 2766-2769-33, dated April 16, 1914, in so far as the concession of payment of duty on actual strength was thereby restricted to perfumed spirits containing 5 per cent. of proof spirit or less, but it does not otherwise operate to modify the instructions issued in the letters above quoted. The duty on perfumed spirits assessed on actual strength is therefore subject to a minimum of 7½ per cent. *ad valorem*. The rate of duty on spirit contained in drugs, medicines, or chemicals is that levied on mixtures and other preparations containing spirits under item 35 of the Import Tariff Schedule II. appended to the Indian Tariff (Amendment) Act."

WAR DISFIGUREMENT.—Sir W. J. Collins in "The Lancet" (I., 1916, p. 1217) gives particulars of a case in which an artificial cheek and eye, set in a pair of spectacles, were fitted to a soldier who had a deformed face caused by a severe gunshot wound of the right orbit and maxilla.

Observations and Reflections.

By Xrayser II.

Mr. Roberts's Statement

in the House of Commons of the Insurance position was a masterpiece of Parliamentary window-dressing. As reported in the newspapers, it came to this: There is no "real unsoundness" in the position, and a grant of 135,000*l.* towards excessive sickness of women is the "only urgent need." After detailing what has been done to "fight disease," Mr. Roberts went on to say that 28,000,000*l.* sterling has been invested, and that 200,000*l.* is put into War Loan or other Government securities every month. Yet chemists are persistently paid less than is due to them under the most cheeseparing contract that could be wrung out of them, and their accounts are left unsettled so long that many are debating whether on this ground alone it would not pay them to throw up their job. Of this aspect of the question Mr. Roberts does not appear to have said a word. He admits that new services have had to be postponed, but ignores the fact that old ones have not been paid for. And in the same breath he boasts of the soundness of the position! This is, so far as we are concerned, adding insult to injury.

As a Matrimonial Bureau

the pharmacist's shop may perhaps prove serviceable to the "maiden withering on the stalk"—one, we will say, whose qualities surpass her charms—but there are other walks in life more likely to yield quarry to the seasoned husband-hunter; and if an *ingénue* now and then undesignedly makes a capture while dispensing "the mixture as before," the loss of her services is no greater than if she had been a young man leaving to better himself, and no more likely to happen. Possibly it is more easily repaired the oftener it happens. Of five lady clerks I have employed in the post-office attached to my business four married almost literally from the counter, and whenever a vacancy occurred there was quite a rush of charming applicants to fill it up. Most of these clerks of mine sooner or later acquired what I have heard described as "the post-office manner," but even this very serious handicap did not prevent their winning of the matrimonial stakes. These are facts which may have some bearing on the question whether pharmacy offers a career to women, but they need not deter a pharmacist from employing a "lady help."

The Proposals of the Paris Conference,

so far as they relate to our trade policy after the war, are of necessity somewhat too general in character for detailed criticism, and few will be disposed to criticise them at all so far as they relate to the period of the war itself. It is impossible while we are still fighting to estimate with certainty the position in which the war will leave us, but one thing is obvious enough: we must never again allow ourselves to be commercially dependent on Germany. The means of avoiding this may be doubtful, but here, too, one thing is clear; no action we can take against Germany will avail us unless we make ourselves her equals in knowledge, energy, and business ability. The Conference proposals therefore rightly insist on scientific education, the development of national industries and resources, and the improvement of our commercial methods as of the first importance. All such considerations as tariffs and other defensive measures are secondary: the first duty of Governments is to stimulate by financial assistance and every possible encouragement the education of their own people and the growth of home industries.

The Oculist and the Optician

occupy distinct spheres, and since the pharmacist became optologist he is generally as such a reliable man for the work. Everyone will agree with Mr. Ernest Clarke's plea for an oculist to be attached to every military centre, and associated with him a practical optician. By an arrangement of this kind the soldier would always be guarded against misfits. At present in civil life there is always the difficulty in connection with consultation with a specialist—namely, that of being sure that his prescription is accurately interpreted by the optician. Who can decide this impartially? There ought to be some understanding by which the oculist, or a competent independent authority whose decision would be accepted, should satisfy the patient that the lenses are as prescribed. We all know of cases where an oculist has prescribed and where the lenses supplied have been worse than useless and subsequently condemned. Whose fault is it when this happens—the oculist's or the optician's? The problem is difficult, but its solution ought not to be impossible, for the efficiency of a nation depends as much upon its eyesight as upon any other factor. Fortunately not many cases are so complicated as to lead to grave errors, but when these do occur the unfortunate individual too often suffers in silence, for he does not know what is wrong, and may not be able to pay for further skilled advice.

The Sale of Cocaine,

according to some members of Parliament, has recently increased, but I doubt very much whether there is any reliable evidence to substantiate this statement. The silly outcry by a section of the Yellow Press is based on a few isolated cases where Canadians, mainly, were the victims of the drug-habit. It is well known that both in the United States and Canada the evil of cocaine-taking is much more prevalent than it is here, and with so many thousands of Canadians in our midst it is not surprising to find a few who are determined by one means or another to get a supply. I happen to know that, so far from going up, the sale of cocaine to the public has been going steadily down, and recently many pharmacists have altogether ceased to supply the drug, save to medical men. There may be a few black sheep, but they are very few indeed compared with the vast majority, who are most anxious to aid the authorities in every way. The same remark is only partially true as regards morphia. This is probably accounted for by the fact that cocaine has never in this country attained the popularity enjoyed by morphia. There are hundreds of morphiomaniacs whose wants are supplied by pharmacists, many of whom no doubt honestly believe that it is an act of charity to sell the narcotic, and that the withholding of it would do more harm than good. These men know the regular *habitués*, and it will be difficult to get them to believe that they do wrong in supplying the drug. Unfortunately, the hypodermic needle must bear the blame of much morphiomania, and doctors incur grave responsibility who lightly resort to the syringe to allay pain. Their victims can always plead medical prescription and urgent need, and it is difficult for the pharmacist to refuse. How few of us, too, realise that a word in season might prevent many a poor deluded mortal from stepping on to the slippery slope, even though he be fortified with a doctor's prescription! The latter is a poor shield once the desire for morphia has been awakened.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

259/45. Suppliers of machinery for pleating paper bottle-caps.
259/10. Tinct. universal.
259/5. "Sal-Salin."
259/6. Oleum ulnaris, used for cattle.
259/28. B.P. feeding-bottle and rubber goods.
1/16. "Cinnamonal."
259/28. Alexander Perfumery Co.'s preparations: suppliers.
258/59. "Hypochlorine" ointment.
258/46. "Ocinoid" tablets.
257/4. Holt's specific for whooping-cough.
256/8. Lady Macbeth's cloth-cleaner.
251/29. Furdue's fluid sulphur.

THE PHARMACEUTICAL COUNCIL OF WESTERN AUSTRALIA received, at its meeting on March 16, from the Acting-Commissioner of Health information that at an early date a list would be published of proprietary medicines approved to be sold under the Health (Amending) Act, 1915.

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PHARMACEUTICAL FORMULAS. (9th Ed.) 10/-, by Post 10/6.
ART OF DISPENSING. (9th Ed.) 596 pages. 6/-, by Post 6/5.
CHEMISTS' DICTIONARY OF SYNONYMS. 2/6, by Post 2/9.

THE CHEMIST AND DRUGGIST, 42 CANNON ST., E.C.

Index Folio 690

Editorial Articles.

Army Dispensers.

ONE of the most mysterious pharmaceutical events connected with the war is the demand made last week for dispensers. We reported the matter then from Blackburn, Manchester, and Sheffield, telegrams having been sent to Insurance and Pharmaceutical Committees, as well as paragraphs to some newspapers. The following is what the "Liverpool Post" printed:

"The Royal Army Medical Corps are in need of a number of qualified chemists or dispensers of medicine to serve with the Corps in Mesopotamia. The men are wanted at once, and are promised good pay, as well as an unrivalled experience. Liverpool candidates should apply in the first instance at the Old Haymarket."

We suppose the Corps has now got enough, but we repeat that this sort of thing is not good business. We have since the beginning of the war printed several thousand names of men from pharmacy and the drug-trade who have joined the Army, and several hundreds have gone into the R.A.M.C. From many of the latter we have received complaints that although qualified under the Pharmacy Acts they were not put to pharmaceutical work, which in too many cases was given to men who, prior to joining the R.A.M.C., had no experience of the drug-trade or pharmacy. This may explain why the War Office has not been able to find dispensers in this special department: men have become tired of speaking about

their grievance. That is the fault of the system, particularly of the marked disrespect which the R.A.M.C. authorities have shown to pharmacists from the first week in August 1914, when they advertised for dispensers and received so many offers from capable young pharmacists that they stopped the demand, and have jogged along in their own inefficient way since, until last week they revealed to those who know that they have no system that they can draw upon for getting the men whom they need to do the work. When the war ends a lot of things will be done in order to make our system of government more businesslike, and the position of British pharmacists in Army service is one that should be attended to. Last week's telegrams and paragraphs were lamentable, but this is not the time to say all that might be said about the matter; but it is for pharmaceutical authorities all over the Empire to take a grip of it with a view to future action.

The P.A.T.A.

NEXT year the Proprietary Articles Trade Association will reach its majority. The Council has issued this week its twentieth annual report, and this will take the minds of many back to those bitter days when proprietary medicines were sold as near as possible to cost, although practically everybody handling the goods felt that something in the way of protection should be instituted. That did not come until a young East London retail chemist, who in 1895 "was unknown to the trade," worried about the matter and discussed it with the late Charles Sanger, as the result of which the P.A.T.A. was formed, with the unknown chemist (Mr. W. S. Glyn-Jones) as Secretary. What difficulties were surmounted and dangers avoided before the Association was thoroughly established! Even the Secretary had to meet certain threatenings, and on one occasion the powers of the Pharmacy Act were invoked against him. Other things come back to mind: the fights with company representatives, proprietors, and other whole-hearted opponents. But the P.A.T.A. is with us, its Secretary has become a barrister, a Member of Parliament, and Parliamentary Secretary to the Pharmaceutical Society of Great Britain, which are enough on the personal ground to testify to his ability and qualifications generally. Perhaps there is nobody so surprised as he that the twentieth annual report has been issued by the P.A.T.A., and that it contains facts and figures far exceeding anything that was dreamt about in 1896. It tells the troubles of the year 1915, during which war conditions affected the prices of supplies and the Government doubled the stamp-duty on proprietary medicines. Nineteen years ago these would have killed the P.A.T.A., but last year they simply made the Association an active and useful agent in adapting the fiscal conditions to the greater convenience of proprietary-article manufacturers and dealers. This is good proof of the utility of the Association. During the year the Manufacturers' Section was reduced from 337 members to 310, the twenty-seven fewer including several enemy firms whose subscriptions had lapsed automatically. There are also twenty-eight members in the Wholesale Section, and 4,912 in the Retail Section, this number being the largest in the P.A.T.A. history; at the beginning of the decade the number was 3,769, and last year's increase was 287. The report states that only 50 per cent. of the trade actively engaged in business are members. From October 1915 to May 1916 certain members of the Council attended meetings of over forty Pharmacists' Associations throughout Great Britain to increase the membership. We may also recall that there has been a good deal of opposition to the Association from certain chemists, in London chiefly. What they wanted was a bigger profit on proprietaries, and Mr. Glyn-Jones, in his capacity as Parliamentary Secretary to the Pharmaceutical Society, replied to them at the recent Conference of the Local Associations called by the Society to consider Insurance matters, and an even more effective reply occurs in the Council's report, which says:

"The Council have received numerous resolutions from local Pharmaceutical Associations complaining of the inadequacy of the profit on some preparations appearing on the Protected List, and in order to ascertain the exact position the Secretary was instructed to prepare a report showing the net profit guaranteed on each article appearing on the list. This report showed that the average profit amounted to 36.97 per cent. on the buying-price and 26.26 per cent. on the selling-price, and, although it is undoubtedly the case that the best-selling lines do not show such a high percentage, most distributors will agree that it is better to have an assured profit of even 15 per cent. on an article continually in demand than little or none at all."

There we leave it, but how astounding that the "unknown man" of 1895 should in 1916 as an officer of the most venerable body of British pharmacists, and while acting for it, defend his own child, the P.A.T.A., which, like himself, upset the venerable Society not so many years ago! The report states that the Stop List is not expanding. Few firms of importance are on it, while many industrial co-operative societies have given undertakings to carry out P.A.T.A. requirements.

On the whole a good report. As to finance, the year began with 707*l.* in hand, and by December 31, 1915, this had increased to 1,330*l.* 10*s.* 11*d.* The Association's income from subscriptions was 2,955*l.* 5*s.* (manufacturers 1,580*l.*, retailers 1,228*l.*, wholesalers 141*l.*, honorary 5*l.* 5*s.*), and receipts from dividends and interest amounted to 294*l.* The total expenditure was 2,627*l.* 2*s.* 10*d.*, of which 990*l.* was for salaries, 400*l.* for the "Anti-Cutting Record," 353*l.* payment to Councillors, and 194*l.* for test purchases. All the other items are smaller, but with the report they demonstrate that the P.A.T.A. is, for its years, the biggest thing of the kind that there has ever been in the British drug-trade, and no other has made money for the trade as it has done.

F.O.B. and C.I.F. Quotations.

PREVIOUS to the war most of the business with the United States in medicinal barks, herbs, roots, etc., was done on a c.i.f. basis—*i.e.*, the price quoted included the "cost, insurance, and freight" to, say, London or other United Kingdom ports. Now, however, with the fluctuating freights and insurance rates and the uncertainty of shipping-space when wanted, f.o.b. (free on board) prices have been frequent, because an American shipper who attempts to quote on a c.i.f. basis must make allowance in the quotation for contingencies which may arise in the interval between the time the quotation is made and the order accepted and shipped. This in the present circumstances is an indefinite period—it may be a month, two months, three months, and even longer. A price quoted under these uncertainties would not be fair to the buyer, not alone because high, but for the reason that it would throw all the risk on him; it would not be satisfactory to the seller even though protecting him, because he wants the customer's business next year and the next. Where it is impossible to quote c.i.f. prices many exporters are quoting f.o.b. American ports, giving the prevailing freight and insurance charges to the port nearest the customer's place of business, and explaining the reason why there cannot be full compliance with the customer's request. This situation may be regarded as temporary, however, but will more or less prevail while the war lasts, as the British Government wants all the American cargo-space it can get.

Pharmaceutical Committees' Expenses.

THERE has been considerable uncertainty among Pharmaceutical Committees who have received grants for administrative expenses from Insurance Committees in their localities in regard to the auditing of their accounts, especially if these are subject to Government audit. We now learn that apart from the publication and distribution of the accounts to panel chemists in accordance with the model regulations for the election of Pharmaceutical Committees, the accounts will not be required to be submitted to Government audit, but it is necessary that Insurance Committees should assure themselves that the money paid over to Pharmaceutical Committees is expended in accordance with the estimated items of expenditure submitted in anticipation of the grant; in other words, that what the Commissioners have agreed to is strictly complied with.

Famous Trade Papers.

UNDER this title "Tit-Bits" publishes in the issue of July 1 an article on the history of THE CHEMIST AND DRUGGIST from its foundation in 1859. It is an appreciative article, and now, when women in this country are "doing their bit" so well, it is of interest to quote the references made in the article to the employment of women in our office:

"In these days of women's labour it is interesting to recall that Morgan Bros. was the first business firm in London to employ women as clerks. On one occasion they advertised for an analysis clerk, and among the replies was one setting forth exactly the qualifications required. To their surprise, when they asked the applicant to call, they were waited upon by a lady. 'An able woman she was,' said Mr. Septimus Morgan, when telling the story. 'Of course, we had women on the premises as packers, and when some of them saw that the analytical clerk was a bit higher than they were they grumbled. We told them that they would be treated the same way if they could do the same work, so some of them qualified for clerkships, and so the thing has gone on.'"

The article makes good reading, and the work done by John Cargill Brough, the first salaried editor of the *C. & D.*, and his associates, as well as that of others connected with this journal, is related in a nice way.

Corner for Students.

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

Report on the May Analytical Exercise.

THE powder distributed to students on May 9 consisted of equal parts by weight of potassium aluminium sulphate (potassium alum), zinc sulphate, and magnesium sulphate. The calculated composition of such a mixture is:

Al	1.9
Zn	7.6
Mg	3.3
K	2.8
SO_4	37.6
H_2O	46.8
	100.0

The powder also contained, as impurities, distinct traces of manganese and of the nitric-acid radical.

Samples of the powder were distributed to twenty-two students, and sixteen reports were submitted in response. The writers of all the reports detected the sulphuric-acid radical. The failures in the detection of the metallic radicals were: Aluminium, 2; zinc, 3; magnesium, 4; potassium, 5. The trace of manganese was only detected by four students, and that of the nitric-acid radical by three. Only a single student overlooked the copious evolution of water when the powder was heated in a dry test-tube.

Intended primarily for junior students, this exercise was simpler than most of those of the tournament series. It was not without difficulties, however. One of these arose from the fact that, as almost 85 per cent. of the powder was made up of sulphuric-acid radical and water of crystallisation, most of the metallic radicals were only present in relatively small proportion, and hence abundant precipitates could not, from the quantity of material available, be obtained in all the analytical groups represented. The detection of the substances present as impurities was another matter which demanded the application of special tests and close observation of the results of these tests. So far as the impurities are concerned, we have been obliged to regard their detection as somewhat difficult, and failure to detect them has not, therefore, been a cause of serious loss of marks; but it may be pointed out that several students owe to their having detected one or both of these impurities a quite appreciably higher position in the list than they would otherwise have occupied. The trace of manganese was revealed, but not very conspicuously, by the slight green colour imparted to the sodium-carbonate and potassium-nitrate bead; but a decided permanganic coloration was easily observable in the liquid obtained on boiling some of the powder for a short time with dilute nitric acid and lead peroxide and then permitting the excess of lead peroxide to settle. In most cases, however, neither of these tests was applied. The usual test for a nitrate by means of ferrous sulphate and sulphuric acid only gave a very slight indication, which was observed, however, by one or two students although overlooked by the majority. The delicate test for a nitrate by aid of salicylic acid, referred to in the November 1915 report, gave, on the other hand, quite a conspicuous and unmistakable reaction. Confirmation of the presence of aluminium, which was indicated as probably present by the appearance of the iron-group precipitate, was easily obtained by applying the alizarin test mentioned in our October 1915 report. The failure of four correspondents to detect the magnesium points to insufficient attention on their part to the somewhat minute precautions necessary to ensure success when this metal is present only in small quantity and, it may be, in dilute solution.

The awards of prizes were announced last week (p. 33).

NOTES TO COMPETITORS.

F. J. DYER.—The presence of manganese in the precipitate taken for manganous sulphide should have been confirmed. Note that the precipitate produced when you added barium hydroxide to eliminate magnesium consisted mainly of barium sulphate.

E. S. MARTIN.—Note that barium nitrate is itself very sparingly soluble in concentrated nitric acid, and hence that dilute nitric acid should be employed in testing whether a precipitate produced by the first-named reagent is soluble or insoluble in mineral acid.

CRYOLITE and VODKA.—It is unfortunate that you did not apply delicate tests for manganese and for a nitrate, as the detection of these, or even of one of them, would have materially increased the value of your reports. Sulph-indigotic acid is useless as a test for traces of a nitrate.

OSMIUM and MOLYBDENA.—The general accuracy of your results seems to indicate careful analyses to which justice is scarcely done by your very meagre reports. The accounts of preliminary tests are extremely slender, and do not mention nearly all that was observable even in the few tests described.

A. V.—The powder contained no more than a barely recognisable trace of iron, and the well-marked reaction which you observed was most probably due to traces introduced in impure reagents.

J. J. W.—Although present in comparatively small proportion, the potassium was not difficult to detect by carefully applied tests.

FERRUM.—You appear to have been too easily led to believe that an acetate was present and to have accepted very slender confirmation as sufficient. You do not seem to have made any systematic search for potassium.

H. I. W.—Contrary to the experiences you report, we found the powder to dissolve easily and completely in hot water and not to yield any indications of the presence of lithium or of a carbonate. Dilute acids did not cause any effervescence.

PRIMUS.—Had a sulphite been present, dilute sulphuric acid would have liberated sulphur dioxide, whereas you report "no effervescence or gas."

BEGINNER.—Your report is not in any sense exhaustive. You got a precipitate which might be due to zinc or to aluminium: without sufficient evidence you concluded that it was due to the latter; but the possibility of its containing both—which was the actual state of matters—does not seem to have occurred to you, and hence, most likely, no attempt was made to establish this or to disprove it.

ONYX.—Aluminium hydroxide is sensibly soluble in ammonia solution, and if you added this reagent in great excess the formation of a precipitate may have been entirely prevented. This may perhaps explain your failure to detect the rather small quantity of aluminium present.

SPES.—The precipitate you obtained on adding silver nitrate in testing for acid radicals may have consisted of

silver sulphate or of silver acetate, both of which are but sparingly soluble in water.

LELLA.—You had a good deal of needless trouble carrying out a special separation appropriate for phosphates when the powder did not contain a trace of a phosphate.

DIAZO.—It is not possible to attach any value to your inclusion of "Mg?" among the bases found. You must weigh the evidence in your possession and come to a decision, one way or the other, on your own responsibility. In the body of your report you pronounce ferric iron absent, while in the summary you include iron alum as a salt that may be present. Iron alum is, however, a ferric compound.

Fairchild Examination.

THIS examination for the scholarship (50*l.*) and prizes (5*l.* each) was held on Wednesday, June 28, when the following questions were given:

ELEMENTARY MATERIA MEDICA.

1. Mention all the animal substances official in the British Pharmacopœia. Give the zoological names of the animals yielding them, and describe how the substances are obtained. State what you know concerning their chemical composition and uses.

2. What are the following substances: Opium, Cusso, Chrysarobinum, Sappan, Kino, Aloe? Give the botanical and geographical sources of the plants, and mention the chief galenical preparations into which the drugs enter.

3. Give a description of a satisfactory method for the preparation of morphine, and indicate the tests you would use to distinguish it from all the other common alkaloids.

4. Tell all you know about Rhubarb and Cascara Sagrada.

ELEMENTARY CHEMISTRY.

1. Explain what chemical changes take place when a spirit lamp is lighted and burning continues, illustrating your answer by equations. Why does it burn with a blue and not a smoky flame?

2. What are the chief sources of Potassium, Sodium, and Lithium Salts? What are Blackashes, Pearlashes, and Salts of Tartar? Give processes whereby these substances can be prepared.

3. On mixing strong Sulphuric Acid with water, heat is evolved. In very dilute solution the acid is said to dissociate. Explain what takes place in each case and also the effect of passing an electric current through a dilute solution of the acid.

4. How would you demonstrate experimentally that (*a*) Carbonic Acid and (*b*) Hydrogen Sulphide are present in the air of a room? What weight of Carbonic-Acid gas would result from burning three grammes of Carbon, and what volume would this weight of gas occupy at normal temperature and pressure?

5. How would you determine quantitatively the composition of Ammonia?

ELEMENTARY BUSINESS KNOWLEDGE.

1. You buy a proprietary article at 40*s.* per dozen, and you sell it at 48*s.* per dozen—calculate your exact rate of profit per cent., and give reasons for your method of calculating the rate of profit.

2. How much Glycerin (spec. grav. 1.26) and how much water must be mixed together to give a pint of diluted Glycerin having a specific gravity of 1.18?

3. State the legal conditions under which the following may be sold: Laudanum, Arsenic, Easton's Syrup, Carbolic Acid, Methylated Spirit, Tincture of Cantharides.

4. Write an essay of about 500 words on the proper relationship which a pharmacist should fill to the public and to the medical profession.

PRACTICAL PHARMACY AND PRESCRIPTION READING.

1. Explain what is meant by standardisation and describe in a general way how it is effected in the case of alkaloidal drugs and preparations. Give the official requirements, as regards strength, of the following: Belladonnæ folia, Extractum Hyoscyami, Pulv. Nucis Vomicæ, Extract. Hydrastis liq., Extract. Ipecacuanhæ liq., Tinctura Opii.

2. (*a*) Write the following prescription in full Latin and explain what excipient you would use in compounding the preparation:

Take of Mercury Pill	3 grains.
Resin of Jalap	1 grain.
Capsicum Powder	¼ grain.

Make a pill, send 24.

Label—Let the patient take one twice daily at ten o'clock and at two o'clock.

(*b*) Translate the following prescription into English and make any comments concerning it that may occur to you:

℞ Olei Terebinth.	ʒij.
Tinct. Cardam. Co.	ʒij.
Syrupi	ʒiv.
Aquam ad	ʒiv.

Ft. mist. s.a.

Sig.—Cap. part. oct. pro dosi more dicto.

3. Define briefly the following terms: Maceration, Digestion, Desiccation, Exsiccation, Clarification, Colation, Evaporation, and Ebullition.

4. (*a*) Give the doses of the following B P. drugs: Homatropine Hydrobromide, Apomorphine Hydrochloride, Potassium Bichromate, Cupric Sulphate, Antimonial Wine, Hexamine, Pilocarpine Nitrate, Eucalyptus Oil, Methylsulphonal, Tincture of Strophanthus. (*b*) Give the ingredients, percentage of active constituent, and dose of the following preparations: Emulsum Phosphori, Ung. Plumbi Subacet., Tinctura Iodi fortis, Collodium Vesicans, Supposit. Acidi Carbolici.

5. (*a*) When 5 grammes of the powder are suitably extracted with 100 millilitres of solvent, 20 millilitres of the filtrate yield on evaporation not less than 0.050 gramme of residue dried at 100° C. What percentage does this represent?

(*b*) Solution of Atropine Sulphate ʒij. (every 8 minims to contain 1/36 grain). How would you deal with this in actual practice?

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

DRUG-POISONING AT A WELSH CAMP.

Mr. Tennant assured Mr. Rendall on Wednesday that the statement to the effect that two German doctors in the employ of the Army had administered poisonous drugs to soldiers they were attending at a camp in Wales, with fatal results, is without foundation.

DRUGS FOR SOLDIERS AND SAILORS.

The Home Secretary's reply to Sir Richard Cooper's question in regard to the sale of pick-me-ups, on June 22, included the statement that coca liquidum, being a preparation of coca, is covered by the recent Order of the Army Council. This substance, moreover, is in Part 2 of the Schedule to the Poisons and Pharmacy Act, 1908, and is therefore subject to the restrictions laid down in the Poisons and Pharmacy Acts. Ether is not a poison within the meaning of those Acts. [It is in Ireland.—EDITOR *C. & D.*]

SIR WILLIAM BABTIE EXONERATED.

Replying to Colonel Yates in the House of Commons on Tuesday, Mr. Austen Chamberlain, Secretary of State for India, stated that Surgeon-General Sir W. Babtie left India for a short time early in 1915 to carry out certain work entrusted to him by the War Office. He was not replaced during his temporary absence. He vacated the appointment of Director of Medical Services in India in June 1915, when he was succeeded by Surgeon-General MacNeece. Mr. Chamberlain was not aware by what authority General Babtie was stated to have been responsible for the medical arrangements in Mesopotamia, and he deprecated any such assertion.

EXCESS PROFITS AND THE CHEMICAL-INDUSTRY.

In the discussion on the Excess-profits Clause of the Finance Bill in the House of Commons on June 22, Sir William Pearce, M.P., referring to the chemical-industry, said that many of the smaller firms that have been controlled are already placed at a great disadvantage with competitors, and already there is wide divergence in the same industry. He submitted that it is absolutely necessary, in things like dyes and pharmaceutical chemicals, that the production of the country should be increased; and if arrangements are made by the Ministry of Munitions to encourage the erection of plant, and this has all again to come under the review of the Treasury, it can only impede the production of commodities which are absolutely necessary for the safety and future prosperity of the country.

IMPORTATION OF MINERAL WATERS.

Sir Richard Cooper on Tuesday asked the President of the Board of Trade if the importation of British mineral waters into France is prohibited, while the free importation of French mineral waters into the United Kingdom is permitted. He also wanted to know what steps the Board intended to take to protect British mineral-water manufacturers from the damage that is being done to this British industry.—Mr. Harcourt replied that the importation into France of medicinal mineral waters is prohibited. The French authorities are prepared to give favourable consideration to applications for licences to import such waters from the United Kingdom. If the hon. member would furnish him with any cases in which licences had been refused he would have inquiry made.—Sir Richard Cooper: Are not the mineral-water manufacturers in this country under the belief from the regulations that they are prohibited at the present time from exporting mineral waters?—Mr. Harcourt: I am afraid I cannot speak for the mineral-water manufacturers. [Sir Richard Cooper subsequently informed our Lobby representative that the firms at whose instance he raised the question were Messrs. Caley and Schweppes, and until he again communicates with them he does not propose to put any further question on the subject.]

FINANCE (NO. 2) BILL.

The Committee stage of this Bill was resumed in the House of Commons on Monday, June 26. After a two

days' debate the proposal in Part III. (excess-profits duty) that controlled establishments under the Munitions Act should pay the excess-profits tax was carried by 158 votes to 72. The matter was raised by an amendment to exempt them, and Sir R. Cooper and Sir Alfred Mond were in the minority. On Tuesday evening the representatives of several controlled firms interviewed the Prime Minister, the Chancellor of the Exchequer, and the Minister of Munitions at the House of Commons. After considerable discussion it was intimated that further conferences with Ministers will take place before the Report stage of the Bill. A new clause providing for the continuance of the existing increased Customs-duties on tea, dried fruit, tobacco, and motor-spirit, and of the new import-duties was also passed, as was a corresponding clause for Excise-duties. The Chancellor of the Exchequer explained that the acceptance of these new sections rendered unnecessary the introduction of a third Finance Bill.

Consideration of new clauses was continued on Wednesday evening. Mr. Denniss having risen to move a new clause to relieve herb-beer from the table-water duty of 4*d.* per gallon, Mr. Montagu interposed and said they were seeking to differentiate the methods of taxing ginger-beer from herb-beer, and when that was done they proposed to reduce the tax on herb-beer to 2*d.* The clause was not proceeded with, while one by Mr. W. S. Glyn-Jones was negatived. This proposed to remedy the imposition mentioned by Mr. S. H. Smith (*C. & D.*, June 24, p. 37) by providing "that the duties on table-waters shall not be charged on milk or non-aërated distilled water." Mr. Montagu ridiculed the proposal, and declared that the Finance (New Duties) Act does not apply to either. The debate was amusing, Mr. Montagu poking fun at Mr. Glyn-Jones (they are quite friendly with each other), especially about Salutaris and Apollinaris among the dutiable distilled waters (!), and Mr. Glyn-Jones told him he was treating him in "a grossly unfair way." He also told Mr. Montagu that if he consulted the Commissioners he would find that unaërated distilled water had given them considerable difficulty, and that was the very thing his clause was intended to remove.

Trade Notes.

CHRISTY'S STROBIN, Falconer's Golden Compound, Gibbs' Floataline, and Tu-Kol have been added to the P.A.T.A. protected list.

WHITE OILS.—The Hillcrest Oil Co. (Bradford), Ltd., Clayton, Manchester, inform the trade that they hold large stocks of these oils.

THE "PERFUMERY AND ESSENTIAL OIL RECORD" of June 23 contains a number of interesting articles, one on the chemical and physical properties of glycerin being particularly timely.

"CHYMOL" is selling well, and the makers, the Chymol Co., Ltd., Atlantic House, Holborn Viaduct, London, E.C., print in this issue a statement showing that the retailer makes 82.7 per cent. profit by selling it.

"TETRA" is the name applied to surgical dressings which are made in France, consisting of bandages, compresses, and gauze rolls, the sole distributors for the British Empire being Clement & Johnson, 19 Sicilian Avenue, London, W.C.

MARTINDALE'S LIST.—The new list of W. Martindale, 10 New Cavendish Street, London, W., contains several new chemicals which the firm are making and which formerly were mainly imported from Germany. The list is undoubtedly one of the most comprehensive lists of fine chemicals and galenicals that are published in this country.

LEMONADE POWDER AND CRYSTALS are offered by Camwal, Ltd., Pembroke Street, Caledonian Road, London, N. The powder is put up in boxes to sell at 1*s.*, and costs the retailer 9*s.* 6*d.* per dozen. A teaspoonful of it makes a tumberful of excellent lemonade. Lemonade-crystals is a combination of the natural acids of lemons with flavouring, without sugar, and is put up in boxes to retail at 6*d.*, costing the chemist 4*s.* 6*d.* per dozen.

EDWARDS' "HARLENE" CO.—We observe from our Company News this week that this business has been converted into a private limited company, and we are informed that this has been done for purely private and family reasons. The management and *personnel* of the staff will remain exactly as before, and Mr. Reuben Edwards has accepted the position of chairman and life managing director of the company. The business will therefore be continued as before.

"RA-BA-SA" is the short name for radium bath-salt, manufactured by the Radium Salt Co., Ltd., 21 Farringdon Avenue, London, E.C. It sells at 1*s.* a packet, and Mr. T. Thorne Baker, F.C.S., certifies that the salt actually contains radium salts, the other constituents being sodium chloride and sulphate, calcium sulphate, and calcium oxide. In certain respects the composition is superior to Carlsbad and Marienbad waters, while the radium-content in Ra-Ba-Sa can be measured, which is not the case with these waters. The salt is also put up in boxes containing half-a-dozen packets, to retail at 5*s.* 9*d.*, and this box makes a useful showcase. The company also produce a delicious liquid dentifrice under the name Ra-Ba-Sa.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(*From the "Trade-marks Journal," June 7, 1916.*)

Label bearing words "TATE'S DELIGHTFUL EAU D'ERINA," etc. ("Eau d'Erina" disclaimed); for perfume made in Ireland (48). By J. Tate, 7 and 9 Royal Avenue, Belfast. 372,002. (Associated.)

Picture of bear's head; for perfumery, etc. (48). By The British Drug Houses, Ltd., 22-30 Graham Street, City Road, N. 372,784.

(*From the "Trade-marks Journal," June 14, 1916.*)

"LUNOX"; for luminous paints (1). By S. S. Speyer & Co., 18 Hatton Garden, E.C. 371,994.

"TRANSOL"; for chemicals (1). By T. Howse, Ltd., Union Street, Smethwick, Birmingham. 372,796.

Facsimile signature "A. CARRERAS," for all goods (2, 3, and 47); "NON-STOP," for goods (47). By A. Carreras, Holly Bush, Shiplake-on-Thames. 372,978/979/396/400.

"PULMOTONE"; for a medicine (3). By Brown's Manufacturing Co., Apartado 72, Tampico, Tamps, Mexico. 363,861.

"TONOLAX": for medicines (3). By H. C. Payne, 78 Essex Road, Islington, N. 372,647.

"LOXINE"; for medicinal chemicals (3). By H. A. Tibbetts, 32 Oxford Road, Acocks Green, Birmingham. 372,659. (Associated.)

"HYPIOLEN," for antiseptics (3); "HEDROIN" and "STYPTARNIN," for medicinal chemicals (3). By Allen & Hanburys, Ltd., 37 Lombard Street, E.C. 372,848, 372,981/982.

"SELRATE," for medicinal chemicals (3), and for perfumery, etc. (48); "SELRETIC" and "SELTRATE," for medicinal chemicals (3). By Tokalon, Ltd., 212-214 Great Portland Street, W. 372,918/919/920. (Associated.)

"VERTEX"; for medicinal chemicals (3), for glass (15), and for goods (16). By Selfridge & Co., Ltd., 400 Oxford Street, W. 373,034/039/040.

Monogram "B R M"; for scientific instruments (8), and for surgical instruments, etc. (11). By British Rubber Manufactures, Ltd., Agnes Road, Acton, W. 372,761/2.

"MAMETTE"; for all goods (15). By Evans Sons Lescher & Webb, Ltd., Liverpool. 372,558.

Circular device enclosing letters "U K G" (letters disclaimed); for all goods (15). By United Kingdom Glass Co., Ltd., 103 Wool Exchange, E.C. 372,770.

"ACETCO"; for food-substances (42). By the Anglo-Chinese Eastern Trading Co., Ltd., 17 Fenchurch Street, E.C. 372,984.

"MARCURA" and "MARVENA"; for goods (47), and for perfumery, etc. (48). By J. Margerison & Co., Preston. 372,811/812/813/814.

"VANESTA"; for toilet-preparations (48). By Mary B. Clarke, 16 Albemarle Street, W. 371,281.

"CAPTIVAIRE"; for toilet-articles (48). By the Standard Tablet and Pill Co., Ltd., Hove. 372,471.

"VEN-YUSA CRÊME DE LUXE" on oval label; for a toilet-cream (48). By C. E. Fulford, Ltd., Leeds. 372,712. (Associated.)

(*From the "Trade-marks Journal," June 21, 1916.*)

"IODONIO"; for all goods (2). By T. Pettifer & Co., Ltd., Eydon, Byfield. 372,892.

"VERTROY," for vermin destroyers and repellers (2 and 3); foreign characters meaning "Drummer," for dyes (4). By W. Edge & Sons, Ltd., Bolton, 373,149/50, 372/434. (Associated.)

"FRANCITHOL"; for a medicine (3). By Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, E.C. 372,734.

"LUCIDOL"; for medicinal paraffin (3). By Ferris & Co., Ltd, Bristol. 372,843.

"SUSTENOIDS"; for all goods (3). By Thompson & Capper, Ltd., Liverpool. 373,006.

"JUBOLITORIES"; for a pharmaceutical preparation (3). By L. Graux, 33 Avenue Kléber, Paris. 373,133.

"CLINCHER"; for all goods (9, 10, 11, 19) and for glass (15). By the North British Rubber Co., Ltd., Edinburgh. 372,726/27/28/29/30.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Brighton.—At the meeting of the Insurance Committee on June 22, Councillor Yates complained that the Medical Benefit Sub-Committee had been entrusted instead of the Insurance Committee with the question of the recruiting of chemists, and that the Sub-Committee is shirking the matter. Councillor Black pointed out that the chemists' shops had never been overstaffed, and now the work is being done by fewer assistants. The chemists have risen to the occasion as well as any other profession in the town. The Sub-Committee hold that the health of the town would not suffer if a few of the young assistants were allowed to go. It is still open to the chemist to establish his case before the Tribunal. Councillor Black, referring to a paragraph in the report of the Sub-Committee regarding stock mixtures, said he regretted these had been introduced, as the use of them tended to carelessness in prescribing.—As a result of the representations made by the Pharmaceutical Committee, the Insurance Committee for Brighton has given its support to forty-one of the appeals put forward by chemists and their assistants out of forty-six. Twenty-one of these are principals.

Cheshire.—At a meeting of the Pharmaceutical Committee on June 21, the London Conference delegates reported, and the Secretary dealt with various matters, including the stock mixtures for which the Commissioners have issued formulæ. These have been accepted by the Committee, who have, however, protested on the ground that this method conduces neither to good dispensing nor the best welfare of insured persons. As regards repeat mixtures, pharmacists are asked to follow precisely the conditions under which they are allowed, as explained in an official circular. Recruiting matters were also discussed, and the settlement of 1915 accounts considered (see *C. & D.*, June 24, p. 42).

Liverpool.—The Insurance Committee has given notice to all doctors and chemists on the panel that it has been decided that during the war the use of the term "Rep. mist." is to be permitted only in those cases where a *locum tenens* is acting temporarily on behalf of a doctor in case of emergency and under certain safeguards, such as limiting the reference to prescriptions dispensed in the current month. The concession has been agreed to by chemists on account of the shortage of doctors occasioned by the war.

London.—A meeting of the Insurance Committee was held on June 29. The Panel Committee reported that they have selected the following mixtures: Mist. gentianæ alk., mist. stimulans, mist. ferri et strych., and mist. tussis. Chemists are to be notified that from July 20 the reduced dispensing-fee of 2.3*d.* will be applicable to these mixtures. The Finance Sub-Committee sanctioned the expenditure of a sum not exceeding twenty-five guineas for the analysis of drugs supplied by chemists. The Medical Benefit Sub-Committee also reported upon the matter of obtaining analyses of drugs obtained from panel chemists. The prescriptions are to be written on regular forms, and if on analysis the medicine supplied is not properly dispensed the Borough Council in whose district the chemist resides is to be informed, so that the Council can arrange for a further sample to be taken under the Sale of Food and Drugs Acts. Two cases of complaints against medical men were reported. One practitioner is to have 2*l.* 4*s.* 8*d.* deducted from his account for excessive prescribing, the money to be paid to the credit of the Drug Fund. In the other case a doctor wrote a cypher prescription, for which class of prescription no payment is to be made after July 10. Medical men and chemists are to receive a notification to this effect. The Sub-Committee also reported that the names of Mr. E. D. Foster, 56 Bishopsgate, E.C.; Mr. W. B. Lounds, trading as R. S. Starkie, 126 Strand, W.C., and 7 Grand Hotel Buildings, Trafalgar Square, W.C.; and Mr. R. Sproule, Samaritan Free Hospital for Women, Marylebone Road, N.W., have been added to the list of persons supplying drugs and appliances. The London Drug Co., 1 Well Hall Parade, Well Hall, S.E., and Mr. F. E. Willis, 86 Pimlico Road, S.W., have been removed from the panel. The Pharmaceutical Service Sub-Committee reported on the arrangements made for analysing medicines, and also the result of the investigation of complaints against two chemists, which was that no fault rested with the chemists.

Portsmouth.—The Finance Sub-Committee of the Insurance Committee reported on June 20 the following figures:

January...	11,171 scripts	271*l.* 3*s.* 8*d.* allowed	5.83*d.* cost per script
February	11,330 ,,	279*l.* 8*s.* 6*d.* ,,	5.91*d.* ,, ,,
March ...	13,844 ,,	336*l.* 15*s.* 2*d.* ,,	5.84*d.* ,,
April ...	10,775 ,,	266*l.* 11*s.* 1*d.* ,,	5.94*d.* ,, ,,

In the first three months of 1915 52,115 scripts were dispensed at a cost of 1,715*l.* 13*s.* 4*d.* (average per script 8.03*d.*), and in the next three months 33,610 at a cost of 1,028*l.* 2*s.* 5½*d.* (average per script 7.73*d.*). It was agreed to confirm chemists' payments in advance for March and April and to pay 15*l.* to the Pharmaceutical Committee for their administration expenses.

Preston.—At the meeting of the Insurance Committee on June 22, Mr. Wilson reported that the Military Representative had been interviewed with regard to exemptions from military service of chemists and their assistants, so that the town might be provided with an efficient drug-service, and an agreement had been arrived at that no chemist's shop should be closed on account of military service. Dr. Sellars referred to the case of a patient whom he attended on Whit-Monday afternoon. The patient could not obtain the medicine ordered because all the shops were closed. The matter was referred to the Medical Benefit Sub-Committee.

SCOTLAND.

An Official Statement.—At the annual meeting of the Scottish National Friendly Societies held at Ayr on June 24, Sir James Leishman, Chairman of the Scottish Insurance Commission, in the course of an address, said that 2¼ millions had been paid to doctors and chemists and to Insurance Committees. In connection with this Glasgow pharmacists ask why their arrears of moneys owing since September last have not been paid and why their protests regarding non-payment have been ignored. It is unfair.

Kirkcaldy.—The Insurance Committee has been informed that the Commissioners are not prepared to recommend a special grant towards the Drug Fund for 1915. The Commissioners alleged that there are indications that a very large amount of secret and proprietary medicines is being prescribed, which would account for part of the high cost of drugs. An epidemic of influenza is not a sufficient reason for a grant from the Special Drug Fund.

WALES.

Carnarvonshire.—At a meeting of the Insurance Committee, a report was presented by the Clerk (Mr. Hugh Lewis) dealing with the working of the Act in Carnarvonshire during 1914. It indicated that in the year in question the money paid to medical practitioners was 10,680*l.*, in addition to which a further sum of 1,051*l.* was paid for the supply of medicines. The Drug Fund amounted to 3,057*l.* The Chairman said it is the duty of the Committee to acknowledge the assistance rendered by all medical practitioners and chemists.

Merthyr.—At a meeting of the Pharmaceutical Committee in Merthyr on June 23, a letter from the Insurance Committee regarding incomplete prescriptions was read, and the Secretary was instructed to write to the Medical Benefit Sub-Committee for a definite statement as to the meaning of the term "Incomplete prescription." Notice was given that the ten stock mixtures selected by the Panel Committee will come into force on July 15, and that "Rep. mist." prescriptions will not be recognised after July 5. It was agreed to press for an immediate settlement of the 1915 accounts in accordance with the method proposed by the Commissioners.

PIGGOTTS', CASH CHEMISTS, LTD.—The report to the Insurance Commissioners of the Inquiry Committee constituted in accordance with the National Health Insurance (Medical Benefit) Regulations (England) in the case of Piggotts', Cash Chemists, Ltd., Manchester (see *C. & D.*, March 11, p. 81), states:

(i) That, after dispensing prescriptions presented to them by insured persons during the period of eighteen months from June 1913 to November 1914, the officers or servants of the company habitually made alterations in prescriptions, indicating that drugs or quantities of drugs had been supplied which were not in fact supplied, with the object of improperly and fraudulently increasing the charges of the company against the Insurance Committee for drugs to insured persons.

(ii) That the company irregularly supplied medicines to some of Dr. Turner's panel patients without first obtaining prescriptions for those medicines signed by Dr. Turner.

The Commissioners, being satisfied that the continuance of the company on the list of persons entitled to supply drugs and appliances would be prejudicial to the service, have ordered the name of the company to be removed from the panel.

Association Affairs.

Folkestone.—By invitation of the President and Mrs. Curtis, an afternoon meeting of the Folkestone Chemists' Association was held on June 21 in the garden of their house, Crohamhurst, Julian Road. Many members and their wives attended, and were joined by several friends from the Dover Association. The business part of the meeting was rapidly got through, the Secretary suggesting that the minutes of the previous annual meeting be taken as read and that the officers be re-elected—a course that was unanimously adopted. A few words of welcome and of best wishes for their future happiness and prosperity were addressed to Mr. and Mrs. Curtis, jun., on their first appearance at a meeting of the Association since their recent marriage. Mr. Taylor (Cheriton) and Mr. French (Sittingbourne) expressed the thanks of those present to Mr. and Mrs. Curtis for their hospitality, Mr. Curtis replying with a hope that other such meetings might follow. The afternoon was delightfully fine, and all present enjoyed the brief relaxation from business. Mr. Frank C. Jones (Hon. Secretary) sends us a photograph of the garden-party, which confirms pictorially the pleasant afternoon that the Folkestone pharmacists had in Mr. Curtis's garden.

Glasgow.—Mr. A. McMillan presided at a meeting of the Chemists' Association at 165 Hill Street on June 19. He expressed the regret of the craft in the West of Scotland at the prospect of Mr. J. P. Gilmour leaving for London, and congratulated him on his appointment as editor of the "Pharmaceutical Journal." Mr. Guthrie, Mr. Currie, and Mr. Murchie also paid tribute to Mr. Gilmour's record of valued services to the craft through its various organisations, and, on the motion of the President, it was agreed to record in the minutes the high appreciation of the Council of Mr. Gilmour's services in many difficult situations and over many years. It was also agreed that some local action be taken to mark the esteem in which he is held, and that such action should be independent of any wider action which might be taken by other bodies. It was also unanimously agreed to memorialise the Council of the Pharmaceutical Society that Mr. Gilmour's place on that body could be filled with great acceptance by Mr. Thos. Guthrie, and to express the hope that they would favourably consider the suggestion in the co-opting of a new member.

Manchester.—Mr. W. Kirkby presided at a special meeting of the Council of the Manchester Pharmaceutical Association held at 65 Market Street, Manchester, on June 21, at 3 P.M., when about fifty chemists were present from all parts of Lancashire to discuss the formation of a Federation of Lancashire Chemists' Associations. Among the delegates were Mr. J. Rymer Young, Mr. L. Moreton Parry, Mr. Clubb, and Mr. D. H Evans (Liverpool), Mr. Peake and Mr. Scholes (Chairman and Secretary of the Lancashire Pharmaceutical Association). The Chairman indicated, when introducing the subject, that linking-up would be of value in the future when united action is necessary. Territorial representation, he considered, might be the best way of all schemes in bringing chemists into closer touch among themselves and the Pharmaceutical Council, but at the moment federation seems the desirable step. Mr. F. W. Bates outlined the scheme, and said a time is coming when chemists will have to decide whether or not they will continue service under the National Insurance Act. He thought that Lancashire Associations would have to be stronger and more active if they are to accomplish what is needed. There are over 1,000 chemists in the area which the scheme covers, and he proposed a resolution to the effect that it is desirable that such a Federation should be formed. This was carried unanimously. Mr. Frank Battersby (Southport), Mr. Peake, and Mr. John Laurie (Blackpool) supported the resolution; as also did Mr. Clubb, who suggested that Birkenhead and Wallasey should be invited to join. Mr. Shattock (Lancaster) suggested that Westmorland and Cumberland should be brought in and the style changed to the North-Western Federation of Chemists' Associations. Mr. W. I. Scholes gave an outline of the work done by the Lancashire Pharmacists' Association since its formation in January 1913. It has twenty-five Associations affiliated with it, and 392 subscribers. The federation was also supported by Mr. L. Moreton Parry, Mr. Harry Kemp, Mr. Watkinson (Farnworth), and Mr. Rymer Young, after which on the motion of Mr. Kemp, it was agreed that a Special Committee of four chemists from the Manchester Pharmaceutical Association, four from the Liverpool Association, and four from the County Association form a Committee to discuss the formation of a Lancashire Federation of Chemists. After a vote of thanks to the President, the company were entertained to tea.

Pharmacists' Volunteer Corps.—A company dinner of the Pharmacists' Volunteer Training Corps (Sanitary Company, Central London Volunteer Regiment) was held at the Restaurant Frascati, Oxford Street, London, W., on June 22. Sub-Commandant E. A. Atkins, Ph.C., F.C.S., was in the chair, and there were over 200 ladies and gentlemen present, most of the men being in uniform. Among those present were Brigadier-General the Hon. F. Bridgeman, C.B., Commander-in-Chief Central London Volunteer Regiment; Dr. and Mrs. E. Burnet, Dr. Rainsford F. Gill (British Red Cross Society), Major McClure, V.D., Mr. Edmund White (President of the Pharmaceutical Society) and Mrs. White, Mr. and Mrs. C. E. A. Goode, Mr. and Mrs. Herbert Skinner, Mr. G. A. Tocher (Secretary of the London Pharmaceutical Committee), Mr. A. Boyes, Mr. A. W. Killick (Corbyn, Stacey & Co., Ltd.), Mr. Royle (Ingram & Royle, Ltd.), Mr. Cakebread (Ashton & Parsons, Ltd.), Mr. Arrowsmith (Apollinaris Co., Ltd.), Mr. C. T. Allen, Mr. Alban Atkin, Mr. G. D. Bowie, Mr. and Mrs. A. Browne, Mr. and Mrs. Charles Brooks, Mr. and Mrs. A. W. Bromley, Mr. and Mrs. W. H. Goy, Mr. and Mrs. Hearle, Mr. and Mrs. A. H. Jenkin, Q.M.-Sergeant Luke, Adjutant F. W. March, Mr. Massey (Meggeson & Co., Ltd.), Mr. and Mrs. Melhuish, Mr. F. H. Moore (Greenwich), Mr. and Mrs. Shirtliffe, Mr. W. B. Trick, and Sergt.-Major and Mrs. Wells. After dinner, the toast of "The King" having been honoured, Platoon-Commander A. H. Jenkin (Vice-President of the London County Pharmaceutical Association) proposed the toast of "The Pharmaceutical Society," to which Mr. Edmund White replied. The latter indicated that alterations are pending in the examinations syllabus of the Pharmaceutical Society which will make the examinations a truer test in the light of present-day educational requirements. Mr. White also proposed the toast of "The Medical Profession," which was replied to by Dr. E. Burnet, who is conducting bacteriological classes in connection with the Pharmacists' Volunteer Training Corps. Brigadier-General Bridgeman proposed the toast of "The Pharmacists' Volunteer Training Corps," to which the Chairman (Sub-Commandant E. A. Atkins) replied. In the course of his speech he stated that the Corps is now of full military strength, and nearly all those who went in for the Sanitation examination passed. Referring to the position of pharmacists in the Army, Mr. Atkins said it would improve the efficiency of the Royal Army Medical Corps to have pharmacists as officers, but it will be impossible to obtain commissions as dispensers of medicine alone: other technical training is needed. With proper training, such as is provided for those of commissioned rank, pharmacists would make valuable officers and would be capable of taking control of the sanitary requirements of the Army. The Chairman proposed the toast of "Friends on Active Service," to which Dr. Rainsford F. Gill replied. Adjutant March proposed that of "The Visitors," to which Major McClure replied. A programme of music was gone through during the evening.

SUB-COMMANDANT E. A. ATKINS, Ph.C., F.C.S.

West Ham.—Mr. W. T. Johnson presided at a meeting of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists held at Earlham Hall, Forest Gate, on June 20, when Mr. Kirkpatrick explained the position of chemists and druggists and their assistants under the Military Service Act, 1916. A discussion followed, and Mr. Kirkpatrick answered questions. Mr. Porter presented the West Ham Pharmaceutical Committee's report and read the report of the Joint Services Sub-Committee, fully explaining as he went the various points mentioned. He considered the analyses most unsatisfactory in many ways, but impressed upon contractors the necessity of using just as much care in dispensing Insurance prescriptions as that exercised for private dispensing. Mr. Kirkpatrick replied to points raised as to the interview with the analyst, and it was emphasised that in future the analyses must be complete. It was agreed to accept the suggested settlement for 1915 accounts (see *C. & D.*, June 24, p. 42).

THE NEW UNITED STATES PHARMACOPŒIA is to be ready for sale on July 1, and will become official on September 1.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., June 29 5.30 p.m.

THE end of the month and the half-year closes with markets in a subdued condition, with prices generally in favour of buyers. This applies with emphasis to several of the synthetic chemicals like acetanilide, salol, and the salicylates, due to the increased output, especially in the U.S.A. The bromides are still weak. Borax and boric acid are much dearer on increased freights. Japanese slab camphor is higher on spot; ammon. carb., phenacetin, and phenolphthalein are very scarce.

Higher	Firmer	Easier	Lower
Annatto-seed	Ammonia sulphate (outports)	Acetyl-salicylic acid	Acetanilide
Borax		Balsam tolu	Aloes (Cape)
Borax glass		Coconut oil	Antimony (crude)
Boric acid		Hexamine	Cardamoms
Camphor (Jap. slabs)		Potash bromide	Honey
Cannabis indica		Potashes (Montreal)	Ipecacuanha
Milk-sugar		Salicylates	Mace (W.I.)
Sarsaparilla (Mexican)		Turpentine	Menthol
Senna-pods (Tv.)			Peppers
			Senna (Tinn.)
			Turmeric

Cablegram.

NEW YORK, June 28.—Business in drugs is active. Opium is lower at $11.40 per lb. for druggists'. Menthol has been reduced to $2.85, and Curaçao aloes is lower at 9½c. Taraxacum is also cheaper at 32c. Mexican sarsaparilla has advanced to 12½c., and jalap to 11½c. Burdock-root and gentian are both higher at 25c. per lb. Senega is firmer at 41c.

ACETANILIDE is offering at from 6*s.* 6*d.* to 6*s.* 9*d.* per lb., according to seller, being cheaper.

ACETYL-SALICYLIC ACID is rather easier at from 44*s.* to 45*s.* per lb.

ALUM.—A limited quantity in single bags is offered by dealers at 21*l.* 10*s.* per ton net cash ex store Manchester.

ALUMINA SULPHATE.—A limited quantity is offered in lump in bags at 12*l.* 10*s.* per ton net ex rails Liverpool.

AMMON. CARB. is very scarce: for forward delivery makers quote on the basis of 7*d.* per lb. for lump.

AMMONIA SULPHATE is 2*s.* 6*d.* firmer at outports at from 15*l.* 15*s.* to 15*l.* 17*s.* 6*d.* net naked at works in London for 25-per-cent. ammonia for prompt delivery. Hull prompt (24-per-cent.) is 16*l.* 17*s.* 6*d.*, Liverpool is 17*l.*, and Leith-Glasgow is 17*l.* 2*s.* 6*d.* per ton for prompt, and forward is 17*l.* 10*s.* per ton, less 3½ per cent., in bags f.o.b.

BERGAMOT OIL is offered at 14*s.* 9*d.* per lb. on the spot, and at from 14*s.* 9*d.* to 15*s.* c.i.f.

BLEACHING-POWDER.—Small parcels are offered by dealers at 28*l.* 10*s.* per ton net ex store Manchester for 35-per-cent. softwood casks.

BORAX.—Owing to still further increased freights the prices of borax have been advanced by 5*l.* per ton and boric acid by 7*l.* per ton, and the prices now are: Borax, crystal or granulated, 33*l.*; powdered, 34*l.*; boric acid, crystal or granulated, 55*l.*; powdered ditto, 57*l.* Borax glass, lump, is 10*l.* higher at 72*l.*; powdered ditto, 73*l.* in 1-cwt. tin-lined cases; XXX preservative is 10*l.* 10*s.* dearer at 80*l.* 10*s.* per ton in about 3-cwt. casks. These prices are, without engagement, for not less than 5 tons ex contract.

BROMIDES.—The recent substantial reductions have left this market in a nerveless condition. There are very few buyers at the moment, and business would be more or less a matter of negotiation. The prices are 14*s.* for potassium, 11*s.* for ammonium, and 9*s.* for sodium, with a few odd parcels offering at slightly less. At the close the position appears to be steadier in America, and it seems doubtful if any further reduction will be notified.

BURDOCK-ROOT appears to be unobtainable, and the quotation is nominal.

CAMPHOR (REFINED).—Sellers of Japanese 2½-lb. slabs now quote 1*s.* 9*d.* per lb. on the spot, and 1*s.* 9½*d.* c.i.f. for September-October shipment.

CINCHONA.—The auction to be held at Amsterdam on Thursday, July 13, will consist of 1,343 packages (713 bales and 630 cases) pharmaceutical bark, weighing 72,037 kilos. The first-hand stock of bark at Amsterdam on June 22 consisted of 8,798 packages Government bark and 33,911 packages private bark, including the first-hand quantity to be offered on July 12 and 13 next. On July 13 no *coca-leaves* will be offered at auction.

CITRAL is selling at 21*s.* per lb. net.

CLOVES.—Zanzibar are dull, with sellers of fair Zanzibar at 6½*d.* per lb., and to arrive, May-July shipment, 6¼*d.* c.i.f. is quoted; June-August delivery is 6½*d.*

COCAINE.—Makers' quotations for hydrochloride are from 20*s.* 6*d.* to 21*s.* per oz. net.

COD-LIVER OIL.—Our Bergen correspondent writes on June 19 that last week there was some cod-fishing all over the Finmarken coast, but most of the fishermen have already left the district, and after this date the fishing will be of no importance. To-day's report gives the following totals for the Norwegian cod-fisheries up to date:

	1913	1914	1915	1916
Catch of cod (millions) ...	74 8	80 8	66	49.2
Yield of c.l.o. (hect.) ...	47,400	57,000	52,200	57,200
Cod-liver for "raw" oils (hect.)	11,500	10,900	8,500	5,100

The quotation for prime non-congealing cod-liver oil is maintained at 500*s.* to 525*s.* per barrel. In London there is a small inquiry, and very fair Norwegian oil of medicinal quality is obtainable at 450*s.*, but for finest 500*s.* and upwards is asked.

ERGOT continues flat, sound Russian offering at 2*s.* 3*d.* and Portuguese at 2*s.* 6*d.* per lb. on the spot.

GALANGAL.—Sellers ask the high price of 52*s.* 6*d.* to 55*s.* per cwt.

HEXAMINE has been selling at from 4*s.* 3*d.* to 4*s.* 6*d.*, with an occasionally higher figure asked.

INDIGO.—"The Times" states that during the past few days there has been a distinct decline in the London prices of natural indigo, which since the outbreak of war has supplanted the German synthetic variety. It is considered to be due to the realisation that there are now sufficient stocks available until the new crop comes forward later in the year.

LYCOPODIUM.—Arrivals aggregating 137 cases have taken place direct from Russia.

MILK-SUGAR.—Sales of good Dutch on spot are reported at 145*s.* to 150*s.* It is now believed the market has seen its highest point, although in some quarters it is being talked higher.

OILS (ESSENTIAL).—The following are current quotations: Spanish *lavender*, 2*s.* 3*d.*; *pennyroyal*, 4*s.* 6*d.*; and *rosemary* from flowers, 2*s.* 4*d.* per lb. net. Green *cajuput* in 19¼-oz. bottles, 3*s.* 4*d.* per lb. B.P. *cinnamon*, 42*s.* 6*d.* per lb. Dutch *caraway* oil is offered at from 13*s.* to 13*s.* 7*d.* per lb. for double rectified oil sp. gr. 0.910. The value of Paraguayan *petitgrain cananga* and Mexican *lignalol* from wood is about 13*s.* per lb.

OILS (FIXED).—*Linseed* is dull at 33*s.* in pipes and 34*s.* in barrels on the spot; July-August 33*s.* 3*d.* *Cottonseed* is unaltered at 42*s.* for crude in pipes, 47*s.* for refined in pipes, and from 52*s.* to 56*s.* 6*d.* for sweet refined in barrels—all on spot. Ceylon *Coconut* is dull and easier at 56*s.* in hogsheads and 54*s.* in pipes, both on spot; Cochin is 56*s.* to 58*s.* on spot, and London pressed is lower at 43*s.* 6*d.* Ordinary brown crude naked *Rape* is nominal on spot; British refined in barrels is unchanged at 48*s.* to 50*s.*; Japan in cases is 36*s.* 6*d.* c.i.f. for June-August shipment. *Soya* oil is 36*s.* c.i.f. for Manchurian in cases for June-July shipment; Hull (spot) extracted is 40*s.*, and crushed 41*s.* Lagos *Palm* is 40*s.* spot, and in Liverpool 32*s.* is quoted.

OPIUM is steady and unchanged, with prices as given last week.

ORANGE OIL.—Sicilian sweet is offered at 10*s.* 10*d.* per lb. on the spot, up to 11*s.* 3*d.* c.i.f. being quoted.

ORANGE-PEEL.—Privately, good bright thin is offered at 1*s.* 9*d.* per lb.

OTTO OF ROSE.—Bulgarian guaranteed pure is selling at 35*s.* per oz. net.

OXALIC ACID.—Crystals of English make for July delivery are quoted at 1*s.* 8*d.* per lb. net ex Liverpool.

PHENAZONE.—Business has been done at 65*s.* per lb.

PHENOLPHTHALEIN appears to be practically unobtainable.

PILOCARPINE.—Hydrochloride remains very scarce at about 23*s.* per oz.

POTASH BICHROMATE in limited quantities is offered at 1*s.* 10½*d.* per lb. f.o.r. Liverpool.

POTASHES.—First Montreal offer at from 200*s.* to 205*s.* per cwt., being a trifle cheaper.

QUICKSILVER is unchanged at from 16*l.* 10*s.* to 16*l.* 12*s.* 6*d.*

QUININE is unaltered at 3*s.* per oz. from second-hands, with no speculative interest. Makers, however, remain busy, and with the bark shipments falling off there is no reason to anticipate lower prices.

SAFFROL is very scarce and hardly wanted: the value is about 3*s.* per lb.

SALICYLATES.—The undertone is weak, especially for forward delivery, and America is offering at lower prices. English B.P. and (or) U.S.P. salicylic-acid powder is offering at from 16*s.* to 15*s.* 6*d.*, and sodium salicylate is quoted at from 14*s.* to 17*s.* per lb. for American.

SALOL is offering at 40*s.* per lb., and at 38*s.* to come forward.

SHELLAC is quiet at from 94*s.* to 95*s.* for usual standard TN Orange on the spot, and at 91*s.* for fair free AC Garnet.

SODA CAUSTIC.—From dealers' hands a limited quantity of 70 to 72 per cent. is offered at 30*l.* 10*s.* per ton spot London.

SODA HYPOSULPHITE of ordinary commercial quality in barrels is offered at 14*l.* per ton net cash ex store Liverpool.

TARTARIC ACID is in more inquiry at 3*s.* 7*d.* to 3*s.* 8*d.* per lb

TURPENTINE is easier, closing at 38*s.* 9*d.* per cwt. for American on the spot.

London Drug-auctions.

Commercial Sale Rooms,
Mincing Lane, E.C., June 29.

AN unusually large quantity of drugs was offered at auction, several of the catalogues being lengthy. The proportion sold, however, was extremely small, this being due to the end of the half-year and stocktaking operations. Cape aloes was almost unsaleable, and lower prices would be taken privately. New-crop Zanzibar in skins brought full prices for nice liver. Annatto-seed is dearer. Balsam tolu tended easier, and Sumatra benzoin sold at steady rates. Cardamoms were flat and lower, and for cannabis indica higher rates are asked. No fine dragon's-blood offered. Honey was neglected, and from 1*s.* to 2*s.* reduction was taken. Ipecacuanha is cheaper, a fair quantity of damaged Matto Grosso being sold. Kola is steady, and for menthol forced sales were made at a substantial reduction. Nux vomica maintains its price, and for rhubarb small sales were made at about steady rates. Sarsaparilla presented no change, the demand being quiet generally. Tinnevelly senna was from 1*d.* to 2*d.* per lb. cheaper, but in the case of pods, which were extremely scarce, "record" high prices were paid. Turmeric, which was offered in large quantities, tended easier, and for wax generally there was no demand. The following table shows the quantities of drugs offered and sold:

	Offered	Sold
Aconite (Jap.)	10	0
Ajowan-seed	106	0
Albumen	4	0
Almonds	15	0
Aloes—		
Cape	119	3
Curaçao ...(cs.)	20	0
Socotrine	20	0
Zanzibar	19	10
Anise (Span.)	10	0
Anise, star	15	0
Anise oil, star	20	0
Apricot-kernels	163	0
Areca	11	0
Argol	7	0
Annatto-seed	25	0
Asafetida	68	*9
Balsam tolu	20	4
Benzoin—		
Palembang	24	0
Siam	23	0
Sumatra	254	26
Black-haw bark	16	0
Buchu	29	0
Calumba	203	0
Camphor (cr.)	6	0
Camphor oil	5	0
Camphor ref.	99	0
Cannabis ind.	11	0
Cantharides (Ch.)	6	0

	Offered	Sold
Cardamoms and seed	516	17
Cascara sagrada,		
bgs.	555	0
tons	14	0
Cashew-nuts	151	2
Cassia fistula	64	0
Castor oil	25	0
Cinchonidine sulph.	4	0
Cinnamon bark oil	4	0
Cinnamon leaf oil	8	0
Citronella oil (dm.)	1	0
Cochineal	20	0
Colocynth	43	0
Croton-seed	99	0
Cubebs	22	0
Cuttlefish-bone	129	0
Dog-grass root	140	0
Dragon's-blood	45	0
Elemi	57	0
Ergot	43	0
Euphorbium	5	0
Fennel-seed	56	0
Galbanum	3	0
Galls (Ch.)	8	0
Ginger-grass oil	4	0
Guarana	2	0
Gum acacia	75	1
Gum sandarac	15	0
Henna pow.	4	0

	Offered	Sold
Honey—		
Cuban	250	33
Haytian	139	0
Jamaica	553	37
Ipecacuanha—		
Cartagena	28	1
Matto Grosso	37	14
Minas	4	0
Kamala	7	0
Kola	13	13
Laurel-leaves, lbs.	54	0
tons	4	0
Lemon oil	1	0
Lime-juice	9	0
Liquorice-juice	10	0
Liquorice-root	15	0
Mastich	11	0
Menthol	31	12
Mint oil (Jap.)	22	7
Myrrh	5	0
Nux vomica	1005	20
Olibanum	55	2
Orange-peel	68	2
Orchella-weed	61	0
Palmarosa oil (pots)	2	0
Papain	1	0
Quillaia	50	0
Quince-seed	1	1
Rhapontica root	120	0
Rhubarb	192	27

	Offered	Sold
Rose-petals	20	0
Sandarac	15	0
Sarsaparilla—		
Lima	24	8
Mexican	25	0
Native Jam.	25	7
Senega	33	0
Senna and pods—		
Alex. and Mecca	70	3
Tinnevelly	778	145
Simaruba	4	0
Soy	15	0
Squill	13	0
Sulphur	4	0
Tamarinds (E.I.)	103	0
Tonka-beans	22	1
Tragacanth	8	0
Turmeric	1882	20
Vermilion	5	0
Wax (bees')—		
Abyssinian	40	0
Benguela	43	0
Chinese	11	0
East Indian	95	0
Jamaica	8	8
Madagascar	60	0
Morocco	3	0
Singapore	7	0
Spanish	11	0
Wax (Japan)	10	0

* Sold privately.

ACONITE-ROOT.—Fair Japanese was limited at 45*s.*, at which sales have been made privately.

ALOES.—A lot of 19 cases new-crop Zanzibar aloes in skins offered, of which nine sold at 5*l.* per cwt. for good livery in skins. A case of fine liver, being cakes on leaves, was retired at 5*l.* 5*s.* Fair softish Socotrine in kegs were held at 95*s.* Cape aloes was neglected, owing to good arrivals, only three cases being disposed of at 38*s.* for ordinary livery and 34*s.* 6*d.* for loose collected. Good firsts were retired at 45*s.* per cwt., but considerably less would be taken. Twenty cases dark livery Curaçao were retired at 85*s.*, and capey at 72*s.* 6*d.* per cwt.

ANNATTO-SEED.—Twenty bags of good bright sold at 8*d.* per lb., being dearer.

BALSAM TOLU tended easier, four cases of softish, fair flavour, selling at 1*s.* 6*d.* per lb.

BENZOIN.—Quiet but steady, eight cases good Sumatra second, well packed with small almonds, selling at 7*l.* 17*s.* 6*d.*, and four cases country-cut ditto at 7*l.* 7*s.* 6*d.* per cwt., the latter "subject." Eight cases good thirds sold at 6*l.*, and three cases common went without reserve at 5*l.* 15*s.*

BUCHU was neglected. Good green clean round were held at 5*s.* 6*d.*, bronzy and stalky ditto at 4*s.* 5*d.* to 4*s.* 8*d.*, longs at 3*s.* 3*d.* to 3*s.* 10*d.* for very stalky yellowish to good green, and ovals at from 2*s.* 9*d.* to 3*s.* per lb.

CAMPHOR (REFINED).—Seventeen cases of ¼-oz. tablets were offered, for which the limit is 1*s.* 11*d.* per lb.

CARDAMOMS were practically unsaleable to-day, and the undertone was weak. Ceylon-Mysore, medium to bold pale, sold at 3*s.*, small pale 1*s.* 5*d.* to 1*s.* 10*d.*, tiny brown 1*s.* *Splits*, bold pale 2*s.* 2*d.*, medium to bold split 1*s.* 9*d.* to 1*s.* 11*d.*, common brown and split (without reserve) 1*s.* per lb.

CASHEW-NUTS.—Two cases of very husky Bombay sold without reserve at 32*s.* per cwt.

CASTOR OIL.—A lot of 25 cases good second Calcutta was limited at 5*d.* per lb.

CINCHONIDINE SULPHATE.—Four cases, which offered on behalf of the Madras Government, were limited at 2*s.* per oz.; Whiffen's analysis showed 45.5 per cent. cinchonidine and 53.2 per cent. quinine.

COCHINEAL.—Ten bags of black and 10 bags of silvers were limited at 3*s.* 6*d.* per lb.

DRAGON'S-BLOOD.—No fine reboiled lump offered, and there is none in the warehouse. Only dull slab and bag shaped lump was catalogued, for which 6*l.* to 7*l.* was wanted as to quality.

GUARANA.—Fair sausage was limited at 5*s.* 6*d.* per lb.

GUM ACACIA.—A parcel of small to bold, glassy and amber, Aden character, was limited at 70*s.*, at which business has been done privately.

HONEY met with few buyers, owing to the recent higher range of values, and prices drooped 1*s.* to 2*s.* per cwt. Of Jamaica, good light amber liquid sold at 59*s.*, fair amber liquid 55*s.*, good pale set 57*s.*, fair pale set and setting 55*s.*, and ordinary dark liquid 45*s.* Of Hayti, 10 barrels sold at from 52*s.* to 54*s.* for good pale set, and at from 48*s.* to 50*s.* for amber to light amber liquid in barrels. Of Cuban, 33 casks sold at from 56*s.* to 58*s.* for nice light amber liquid.

IPECACUANHA was much cheaper, 14 bales of sea-damaged Matto Grosso selling without reserve at from 9*s*. to 12*s*. 9*d*. per lb. as to damage. Fair sound Matto Grosso was bought in at 16*s*., but less will buy. Of Cartagena a single bale sold at 10*s*. per lb.

KOLA was steady, 12 bags good bold rather darkish Ceylon halves selling at 6*d*., and a bag of bold bright West Indian washed at 5¾*d*. per lb

MENTHOL.—Twelve cases Yazawa crystals were offered and sold without reserve at from 9*s*. (one lot) to 9*s*. 10*d*. per lb., being considerably lower. Five cases of Suzuki brand offered, for which 12*s*. 9*d*. was wanted.

MINT OIL.—Five cases of Japanese dementholised (Suzuki) sold without reserve at 3*s*. 5*d*., and a further two cases of an outside brand at 3*s*. 5*d*.

MYRRH.—Steady, five cases of bold clean reddish pea-sized Aden selling at 55*s*., clean siftings at 50*s*., and dust at 37*s*. 6*d*.

NUX VOMICA.—Twenty bags of small to bold fair bright Madras washed sold at 27*s*. per cwt.

OLIBANUM.—Two barrels of sea-damaged run blocky sold at 20*s*. per cwt.

ORANGE-PEEL.—Two cases ordinary pale slightly country-damaged Tripoli strip sold at 1*s*. 2*d*. per lb.; fair strip was limited at from 1*s*. 9*d*. to 1*s*. 10*d*.

QUINCE-SEED.—A single bag of fair Cape sold at 2*s*. 5*d*. per lb.

RHAPONTICA-ROOT.—A lot of 120 bags was limited at 2*d*. per lb.

RHUBARB.—Quiet. Five cases of bold round Canton, with three-quarters greyish pinky fracture and one-quarter dull and dark, sold at 1*s*. 8*d*., and medium round ditto at 1*s*. 7*d*. without reserve. Five cases of medium round horny native High-dried, with three-quarters very fair pinky fracture, sold at 7½*d*., also without reserve. Three cases sold at 2*s*. 4*d*. for bold round Shensi with three-quarters pale pinky fracture, medium round 2*s*. 4*d*., and small round 2*s*. 4*d*.; medium and bold flat Shensi sold at 2*s*. Under usual conditions four cases of small to bold flat High-dried, with three-quarters good pinky fracture, sold at 1*s*. 4*d*.

SARSAPARILLA.—No grey Jamaica offered. Of Lima eight bales sold at from 1*s*. 3*d*. to 1*s*. 5*d*. per lb. for all more or less mouldy, and at 1*s*. 7*d*. for two bales fair; of native Jamaica seven bales were sold at 11*d*. to 1*s*. for fair red, and 9*d*. to 10*d*. for ordinary palish red; 25 bales Mexican were held at 10*d*., at which business has been done privately.

SENEGA.—A limit of 2*s*. per lb. was placed on 22 bales of fair, and for a further 11 bales 2*s*. 1*d*. was asked.

SENNA.—Buyers of Tinnevelly leaf held off, owing to accumulations and further arrivals. Prices of leaf dropped 1*d*. to 2*d*. per lb., but six bales of ordinary dark Tinnevelly pods realised the "record" price of 1*s*. 8*d*. Medium to bold greenish leaf sold at from 11*d*. to 1*s*. 1½*d*., small partly specky greenish 9¼*d*. to 10*d*., common to ordinary small specky 7*d*. to 8¾*d*. per lb.. For Alexandrian 1*s*. was refused for siftings, 1*s*. 2*d*. being wanted, while for good green slightly broken leaf 2*s*. 9*d*. was wanted.

SOY.—Fifteen casks of China (Seuloong brand) were offered, for which 2*s*. 8*d*. was wanted.

SQUILL.—For eight bags of fair pale 95*s*. per cwt. was wanted; another lot of four bags was limited at 90*s*.

TONKA-BEANS.—A parcel of 22 casks good frosted Angosturas was limited at 3*s*. 6*d*. per lb. A single small box of foxy Paras sold at 11*d*.

TURMERIC was rather easier, 20 bags fair bright Madras finger selling at 39*s*. per cwt.; the bulk of the parcels offered were limited at 40*s*.

WAX, BEES'.—Quiet; four cases of fair brown Jamaica block sold at 8*l*. per cwt., being steady.

Swedish Sulphite-spirit.

H.M. Minister at Stockholm reports that, according to statements which have appeared in the local Press, the Swedish Board of Trade has submitted to the Swedish Government a report on the manufacture of sulphite spirit, and has brought forward proposals for the encouragement of its use and manufacture in Sweden. In this report the principle is laid down that the manufacture and sale of denatured spirit for the propulsion of motors and other technical purposes should be reserved as far as possible to the sulphite-spirit factories, whereas the manufacture of spirits for consumption is to be left to factories hitherto engaged in that work. The means proposed to secure this end are that the manufacture of denatured spirit shall be restricted and made subject to licence in the case of distilleries and refineries of spirits, whereas sulphite-spirit factories shall be permitted to manufacture denatured spirit without restriction, and shall, moreover, have the exclusive right of denaturing benzol. It is further proposed to protect the sulphite-spirit industry by levying a Customs-duty on benzol, which is at present duty-free.

Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Relief for Ruhleben Prisoners.

SIR,—I ask the hospitality of your columns to appeal to your readers on behalf of the prisoners in the Ruhleben Camp. As "a man in the street," on reading the account of the British interned there, I felt that it was quite impossible to go to lunch daily without thinking that I had done something to call the attention of the public to what is going on. If those of your readers who have establishments in busy thoroughfares will be good enough to display a poster which I have had printed, they will not only merit my thanks—which, of course, are of small account—but they will also earn the thanks of their fellow-countrymen abroad, who must be issuing the most heartfelt appeals to us on this side to do something to mitigate their sufferings.

Yours very truly,
GILBERT CHRISTY.

Old Swan Lane, Upper Thames Street, E.C.
June 27.

[We asked Mr. Christy for a copy of the poster which he has had printed, and annex a reduced facsimile of it. The original is printed in colours, and measures 29 in. long by 19 in. wide. Something of this nature is much wanted, for many Britishers interned in Ruhleben have no friends left in this country who help them in the matter of food, and those who do not receive periodical supplies from this country fare very badly indeed. We had a conversation with Mr. Christy on Monday, when he submitted facts which show the real need for help. That evening Lord Robert Cecil, replying in the House of Commons to a question by Mr. Ian Malcolm, the member for Croydon, said: "On the 31st ult. we received a further report by Dr. Taylor on the food supply and nutrition at Ruhleben, showing that since Dr. Taylor's first report was drawn up a fresh scale of diet had been put in force, and that civilians at Ruhleben were receiving only a little more than one-third of the protein-carrying foods allowed to combatant prisoners of war, while the potato rations of the civilians had been reduced to less than one-half of those issued to combatant prisoners." Since then a still more unfavourable reply has been received, and representations on the subject are being addressed to the German Government through the American Ambassador. Want remains in Ruhleben nevertheless, and Mr. Christy's idea is to help the friendless prisoners, as others are helped by their friends. Pharmacists can get copies of the poster from Mr. Christy on application.—EDITOR *C. & D.*]

A Warning.

Mr. W. Johnston, Secretary of the Chemists' Defence Association, Ltd., sends us particulars of a complaint by a provincial member who ordered from the representative of a London firm a gross of a cheap line of goods for sale by chemists, paying cash at the time. A promise was made by the representative to begin advertising the goods, but the chemist has not heard anything more about them since he paid the cash. Perhaps this note may warn others not to part with money until promises made in respect to it are fulfilled.

A New Blarney Stone.

Mr. Ripley, representative of Prichard & Constance (Wholesale), Ltd., proprietors of the Amami perfumery, while in Messrs. McGuffie's pharmacy in Brisbane, lately, saw a girl come in and hand the chemist a note calling for

a block of "Blarney" stone. Upon the chemist replying that he did not know it, she explained the sort of packing, and the chemist immediately recognised that she wanted an Amami nail-polishing stone. The incident speaks well for Mr. McGuffie's keenness and of the world-wide use of the Amami nail-polishing stone.

Minimum Prices in Edinburgh.

SIR,—"Xrayser II.," in your issue of June 24, is amused and concerned that a "minimum sales" movement should be inaugurated in Edinburgh. For "Xrayser II.'s" enlightenment I may say that a bawbee, or halfpenny, is the unit of Scotch currency, but the unit as far as pharmacists are concerned is, and always has been, one penny. The minimum-sales movement is not swank, but a sound business proposition rendered necessary by the great increase in the cost of drugs and incidentals, such as paper, corks, and boxes, which bear no return. The new minimum is only suggested for sales of liquids or solids which require to be specially put up in paper, box, or bottle, and does not apply to the sale of packed goods which are kept ready for retailing. To continue to supply the public with whatever it asks for, irrespective of whether there is gain in the transaction or not, is neither businesslike nor profitable. "The Grey Metropolis of the North" is still the capital of Scotland, and a city whose fame is not confined to these islands. Pharmacists within her walls confine themselves to pharmacy, and although they may be neither very poor nor very rich, they consider that the labourer is still worthy of his hire. Pharmacists have themselves to thank for many of the evils they have to contend with, and if they themselves do not put a value on their services they can hardly expect the public to do it for them.

Yours faithfully,
WILLIAM W. BROWN,
Hon. Secretary,
Edinburgh District Chemists' Trade Association.
26 Haymarket Terrace, Edinburgh.

Miscellaneous Inquiries.

H. J. N. (253/16).—CALORIFIC FLUID for use in tooth-extraction.—Your sample seems to be of the variety which has ether as its base. The following resembles it except in colour:

Æther. pur.	℥vj.
Menthol.	ʒss.
Ext. cannab. ind.	℈iv.
Ol. menth. pip.	ʒj.

Misce.

A. T. B. (253/44).—(1) We cannot undertake to identify samples of substances from which the labels have been removed, nor can we repeat a formula given in the *C. & D.*, June 10. (2) PERSPIRING HANDS are best treated by soaking in alum solution, but the improvement is not permanent, consequently the solution needs using daily.

N. A. P. (Baroda) (258/51).—INDIGO-CARMINE MANUFACTURE.—We gave a short note on the manufacture of indigo-carmine in the *C. & D.*, January 17, 1914, p. 68. Where you appear to have gone wrong is that you have not employed heat; at least, you do not mention that you have. Indigotin dissolves in cold sulphuric acid to form a green solution, but the addition of water precipitates the indigotin unchanged. If, however, the solution is heated it turns blue, and the sulphonic acid remains in solution on diluting with water. According to the strength of the acid used and other conditions mono-, di-, tri-, or tetra-sulphonic acid is obtained. The sodium salt of the disulphonic acid is indigo-carmine.

Cyclist (249/36).—TYRE-CEMENT.—This appears to be a solution of bitumen and indiarubber in benzine, but we do not know how the manufacture is carried out to produce the thin paste which you send.

F. H. L. (257/30).—(1) LIQUID DENTIFRICE to suit your label:

Acid. carbol.	ʒiss.
Acet. aromat.	ʒiij.
Ol. lavand.	♏L.
Ol. cinnam.	♏xv.
Pulv. cocci	ʒss.
Pulv. quillaiæ	ʒiv.
Sp. vini rect.	℥xiiss.
Aquæ	℥xiiss.

Macerate seven days, filter, and make up to 25 oz. with spirit and water, equal parts.

(2) Your other request, for a formula for "a good cream," is too vague.

G. T. (91/19).—BOOKS ON ANILINE DYES.—Two useful books are: Wahl's "Manufacture of Organic Dye-stuffs," translated by F. W. Atack (Bell, 1914); and Cain & Thorpe's "Synthetic Dye-stuffs" (C. Griffin & Co., 1913).

H. K. W. (253/24).—MODELLING-COMPOSITION FOR EDUCATIONAL PURPOSES.—The maker of plasticine stated some time ago in "The Lancet" that it consists of sulphur, farina, a vegetable oil, and vaseline, but we do not know the proportions of the ingredients which are employed.

C. A. (248/44).—Purification of the cream of tartar which has become tinted blue from contact with blue packing-paper cannot be carried out economically. Separate as much of the stained portion as possible, and sell the rest at what it will fetch.

W. S. (240/41).—PERFUME FOR LIQUID PARAFFIN.—We think you will find that heliotropin and vanillin, dissolved in the warm oil, will give you a suitable perfume for the toilet-paraffin.

Torquay (254/9).—Will you explain more fully what is required of the solutions "for marking veins"?

W. A. R. (B.E.F.) (250/66).—TINCT. CHLOROFORMI ET MORPHINÆ, B.P., 1885:

		In a 10-min. dose
Chloroform	1 fl. oz.	$1\frac{1}{4}$ minim
Ether	2 fl. drs.	$\frac{1}{3}$ minim
Rectified spirit	1 fl. oz.	$1\frac{1}{4}$ minim
Hydrochlorate of morphine	8 grs.	$\frac{1}{48}$ grain
Diluted hydrocyanic acid	$\frac{1}{2}$ fl. oz.	$\frac{5}{8}$ minim
Oil of peppermint	4 minims	$\frac{1}{50}$ minim
Liquid extract of liquorice	1 fl. oz.	$1\frac{1}{4}$ minim
Treacle	1 fl. oz.	
Syrup	a sufficiency	

Dissolve the hydrochlorate of morphine and oil of peppermint in the spirit and add the chloroform and ether. Mix the liquid extract of liquorice and treacle with three fluid ounces of syrup, add this to the previously formed solution, mix them thoroughly, add the hydrocyanic acid, and increase the volume to eight fluid ounces by further addition of syrup.

Dose: 5 to 10 minims.

P. H. W. (250/40).—(1) BOOKS ON RADIOGRAPHY.—We think you are mistaken in attributing to us a recommendation of the book on *x* rays which you mention. At the same time we are much obliged to you for confirming our own opinion of the value of Mowat's "*X* Rays" (Hodder & Stoughton, 8*s.* 6*d.*). Knox's "Radiography" (Black, 25*s.*), which was reviewed in the *C. & D.* early in 1915, is the best book on the subject, and the one which we have recommended since. (2) MEDICINAL-PLANT GROWING.—See note in *C. & D.*, June 24, p. 680. The *Diary* article referred to covered the collection, preservation, and drying of medicinal plants.

W. R. (251/35).—FOOT-BATH POWDER.—See *C. & D.*, June 3, p. 52.

R. T. C. (252/8).—(1) FRENCH MUSTARD.—See *C. & D.*, November 28, 1914, p. 72. (2) PURIFYING BEESWAX.—It is sometimes difficult to produce a presentable wax from comb that has been left in the hives for some years. The purification is managed by boiling first with water and sodium hydroxide and straining, and repeating the process several times with plain water. It is often cheaper to use up dark wax in furniture-paste than to spend time in purifying it.

Medicine (245/45).—BOOKS ON DOMESTIC MEDICINE.—Thomson and Steele's "Dictionary of Domestic Medicine" (Griffin, 10*s.* 6*d.*); Grimshaw's "People's Medical Guide" (Churchill, 8*s.* 6*d.*); "Family Encyclopædia of Medicine" (Amalgamated Press, Ltd.).

Assistant Dispenser (247/8).—SOLID BRILLIANTINE.—See *C. & D.*, August 21, 1915, p. 60.

Ignis (249/5).—THEATRICAL COLD-CREAM.—See *C. & D.*, May 22, 1915, p. 672.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," July 14, 1866.

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We beg to remind our subscribers that the Exhibition at Nottingham connected with the British Pharmaceutical Conference will be opened on the 21st of next month. Intending exhibitors who have not yet applied for space should write at once to Mr. J. H. Atherton, the Local Secretary, at Nottingham.

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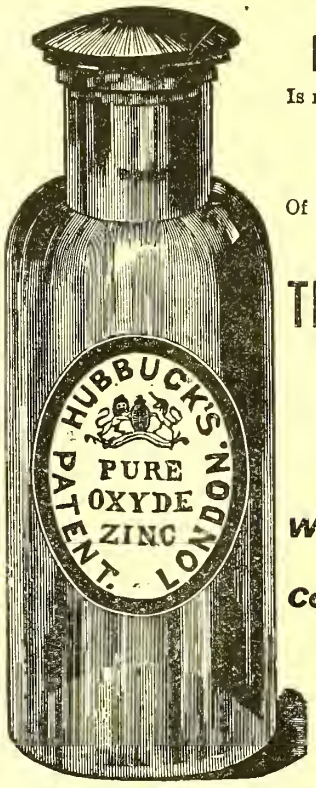

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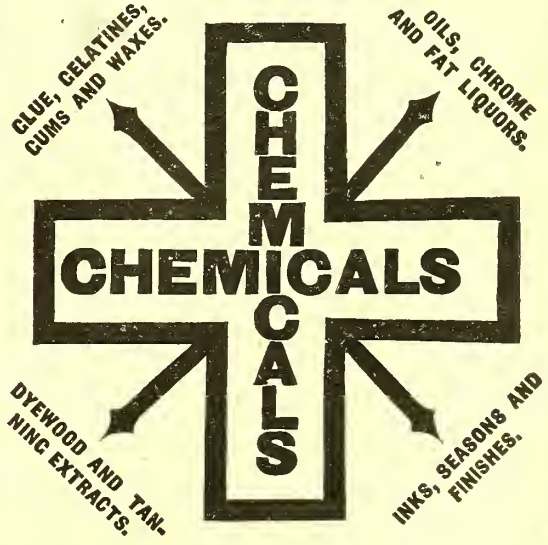

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OFFICE: 42 CANNON STREET, E.C. SATURDAY, JULY 1, 1916.

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2.—KENSINGTON (Death Vacancy).—Retail and Dispensing Business; returns £1,000; *gross profit* £500, present rate less; well-appointed shop, with residence; widow will consider any reasonable offer.

3.—OXFORD STREET (Near) (Death Vacancy).—Good-class Business; no immediate opposition; returns £1,000 yearly; *net profit* £300; modern, well-fitted shop; price £750; full investigation invited.

4.—LONDON, N. (Distant Suburb).—Middle-class Retail, chiefly ready money; returns average between £1,050 and £1,100; *net profit* £450; price about £600; full inspection invited.

5.—LONDON (Northern Suburb).—Ready-money Business; held by vendor many years; returns £20 per week; rent £40; comfortable residence, with garden; offer wanted.

6.—LONDON (Busy Market Thoroughfare).—Ready-money Business; returning under manager £1,400 to £1,500, at good prices; about the value of stock and fixtures required; part payment considered; books kept by accountant.

7.—LONDON, N.—Good-class Business; returns under management about £1,050 yearly; *net profit* £300; attractive, well-fitted shop; excellent residence; price £450.

8.—MIDLANDS.—Dispensing and Retail; all good middle-class trading; returns upwards of £3,000 yearly; vendor would entertain a partnership with a view to the incomer taking up the whole within a given period.

9.—GREAT NORTHERN LINE.—Unopposed Business, Retail and Agricultural; returns £825; *net profit about* £230; comfortable residence, with bathroom and offices, flower and kitchen gardens; rent £25; price £400.

10.—SHROPSHIRE (Small Market Town).—Well-established Business, held by vendor upwards of 22 years, now retiring; returns £1,200; rent £35, which includes comfortable residence; terms, simply the value of stock and fixtures; part payment if desired.

11.—WESTERN COUNTY.—A good General Retail and Dispensing Business for Disposal through ill-health; returns £1,350, at fair prices; good residence, with garden attached; vendor will accept any reasonable offer.

12.—SUSSEX (High-class Watering-place).—Death vacancy; Dispensing and Retail Business, including Optical; returns between £1,400 and £1,500, present rate less; *profits above the average of Retail trade*; about £1,000 required.

13.—HANTS (High-class Watering-place).—For Disposal, owing to a breakdown in health, excellent Business, chiefly Dispensing, for the value of stock and fixtures; returns £2,500; handsome shop and well-selected stock; position one of the best in the town.

14.—SOUTHAMPTON (Near).—Mixed Country Business; established about 100 years; returns £800; *net profit* £300; large double-fronted shop; comfortable residence; price £450.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake those essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£550 returns.—PLYMOUTH.—Owner, having to join the Army within a month, will sell for £150.

£1,400 returns.—SOUTH COAST (near).—Dispensing and Family Retail; no sidelines; net profit £375; price £850.

£1,200 returns.—YORKS.—Ready-money Light Retail, with large amount of own Preparations; easily worked; net profit £350; price £750, or valuation of stock and fixtures.

£1,000 returns.—WEST.—First-class Retail and Dispensing, capable of considerable increase with more personal attention, as vendor, other engagements, will sell for valuation of stock and fixtures, about £800; to a man accustomed to this class of trade this is an exceptional chance.

£2,600 returns.—MIDLANDS.—Good Country Retail, with some Agricultural, in desirable district; easily worked; good house and garden; net profit £375; valuation about £1,400.

Valuations conducted upon the shortest notice at moderate fees.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—SOUTH-WEST COAST.—Good-class Retail and Dispensing, increasing; returns £1,250; net profit over £300; good house and Pharmacy, in best position; stock and fixtures worth about £850; price £975; books properly kept.

2.—N. WALES (Death Vacancy).—Good Family Retail and Dispensing, in popular health resort; returns £500; no sidelines; plenty of scope; low rent; large shop; fine position; same hands 20 years; price £200, or valuation.

3.—EASTERN COUNTY.—Unopposed Country Retail and Agricultural; returns £830; net profit £200; nearest Chemist 7 miles; very good house, bathroom, etc., large garden; family reasons sole cause of sale; price £400.

4.—SUSSEX COAST (Rising Town).—Well-established Light Retail Business, in good unopposed position; returns about £650; scope for increase; net profit £180; splendid house, nice garden; price only £275.

5.—MIDLANDS (Death Vacancy).—Light Family Retail and Agricultural, in pleasant market town; easy hours; returns £900; net profit £300; good opening for Photo and Optics; one other Chemist; price £425, or first reasonable offer.

6.—LONDON (Near City).—Quick Cash Retail Business, in busy marketing centre; returns about £2,000; excellent profits; smart, up-to-date Pharmacy, fully stocked; price £950; part can remain.

7.—LONDON, W.—Old-established Light Family Retail, in prominent position; returning last year £1,400; net profit over £300; now under management; excellent premises, can easily let off half rent; price £400, bare valuation.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the *C. & D. Diary* for this year. Have you read it?

PARSON C. BAKER

Pharmaceutical Chemist,

TRADE VALUER AND TRANSFER AGENT.

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VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND FULL REPORTS, Town or Country, on moderate terms.

No charge whatever to vendors or purchasers except by agreement.

Personal Attention to every detail. | 40 years' Valuation experience.

CORRESPONDENCE INVITED.

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THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CHESHIRE.—Steady Business in good position; returning about £16 a week, and showing good profits; owner wants to take over larger business; good house attached; trial allowed. For particulars apply, "Chemist," c/o Messrs. John Thompson, Ltd., Hanover Street, Liverpool.

HAMPSHIRE.—Advertiser desirous of retiring this year entirely on proceeds of business after twenty-two years, would like to hear from gentleman requiring a sound, good-class Retail, Dispensing, and Prescribing business; the business is very old established, and elegantly fitted about twelve years ago by Parnall, of Bristol; the returns last year were £1,340, and still increasing; profits excellent; Government permanent depôt now offers unlimited scope for increase; has been worked for two years with occasional Locum; price about £750; patent medicine account about £200 per annum, also with excellent profits; rent £65 p.a.; side entrance and rooms let off, £20 p.a. Apply in first instance, "Hants" (98/23), Office of this Paper.

LONDON, N. (Healthy working-class neighbourhood).—Cash Business, with some N.H.L.; been clearing £5 to £6 per week; shop well fitted and stocked; price £300. "Chemist," 13 Cannon Road, Southgate.

ST. ALBANS.—For immediate disposal, owing to death of the proprietor, old-established Business (over fifty years), in centre of city. Apply, H. E. Allenby, Chemist, Ripley, Surrey.

SHEFFIELD.—Exceptional chance of acquiring sound Business on main road in densely populated neighbourhood; established 20 years; present ownership 15 years; one Chemist only in radius of about 2 miles; takings under female management, £6 to £8 weekly; low rent, £20; price for quick sale £70. Address, 98/14, Office of this Paper.

A SPLENDID Prescribing Business for Sale in a large town in Lancashire; genuine bargain to cash buyer; no agents need apply; family reasons sole cause of sale; takings increasing; net profit over £6 weekly; price £375 cash. Apply, 94/16, Office of this Paper.

CHEMIST'S Business in fine position at Hastings for Sale as a going concern; reasonable rent; takings average about £1,000 per annum. For further particulars apply to Parkin S. Booth, Accountant to the Association of Manufacturing Chemists, Ltd., 32 Kimberly House, Holborn Viaduct, London, E.C.

DEATH Vacancy.—For immediate Disposal, genuine old-established good-class Chemist's Business in country town in the Midlands; in the hands of late proprietor 28 years; low rent; good living accommodation; no reasonable offer refused. Full particulars on application to "A. T. H." (100/21), Office of this Paper.

DRUG Stores.—Good opportunity in growing industrial centre; no opposition; stock and fixtures valuation. Apply, Drug Stores, Dudley Road, Grantham; Freehold for Sale if desired; rent £28. 99/23, Office of this Paper.

GENUINE, old-established, unopposed Village Retail; returns exceed £800; minimum net profit £200; nice shop, well fitted and stocked; exceptionally good house, warehouses, gardens, etc.; rent £25; price £400. "Eastmid" (100/240), Office of this Paper.

OWNER, joining up, wishes to Dispose of his Business at Cardiff; turnover £1,500, all cash; Wine Licence; fine position, main thoroughfare; double-fronted shop; good house and garden attached; 11 years lease to run, or new lease; price, valuation of stock and fixtures only. 100/33, Office of this Paper.

UNPRECEDENTED Opportunity.—Old-established Country Retail, neglected, but capable of quick recovery and considerable extension; accept £120, bare value fixtures and fittings, for immediate disposal; premises (recently redecorated throughout) comprising handsome shop, good 6-roomed house, warehouses, and nice walled-in garden; rent £35; can be acquired by easy payments rather above rental. "Cambs." (100/24), Office of this Paper.

SALES BY AUCTION.

TRADING WITH THE ENEMY AMENDMENT ACT, 1916.
Re H. NICKEL & CO., 101-105 GOSWELL ROAD, LONDON, E.C.
By order of the Controller, Hugh Wm. Dunn, Esq., Chartered Accountant.
The STOCK of a WHOLESALE MANUFACTURER of CHEMISTS' SUNDRIES, SURGICAL and TOILET GOODS, and the
PLANT, FIXTURES, and FITTINGS, and OFFICE FURNITURE.
The STOCK comprises:

250 GROSS CUT and MOULDED PERFUME SPRAY BOTTLES, 1,200 yds. Fleecy Cloth for Hot-water Bottle Covers, 500 yds. Silk, 80 dozen Swansdown Skins, large QUANTITY PARTLY MANUFACTURED STOCK and DRUGGISTS' SUNDRIES, White Metal Ice-bag Tops, 20 Pieces of Waterproofed Cloth, quantity Satin Ribbons, 15,000 pieces Loofa Washing Gloves and Material, Tooth-brushes, 100 gross P.M. PUFF BOXES, 100 gross Tooth Picks, 2,000 HOUSEHOLD, BATH, and DAIRY THERMOMETERS, LARGE QUANTITY RUBBER GOODS of EVERY DESCRIPTION, Indiarubber Bellows, Pipette Bellows, etc., Toilet and Manicure Sets and Requisites, expensive Surgical Instruments, large stock of Bone Soother Mounts, 200 gross Corn Solvent Bottles and Corks, Nasal Inhalers, Glass and other Syringes, Showcards, Cardboard Boxes, Wrapping Papers, Gilt Tops for Perfume Sprays, all kinds of Douche Cans, 100 dozen Tooth Creams and Paste, large quantity of Glass Chemists' Sundries, 200 pairs American Split Wood Crutches, China Spitting and Shaving Mugs and Feeding Cups, 7 dozen large Glass Puff Bowls, 200 dozen Menthols, Glass Perfume and Smelling Bottle, 250 dozen Nurses' Nail Scissors and Clippers, Stock of unfinished Sponge Bags, Bathing Caps, Washing Gloves, Finger Stalls, etc., also the well-made

FIXTURES, FITTINGS, and OFFICE FURNITURE,
Oak Roll-top Desk, Clerks' Desks, Writing Tables, Chairs and Stools, two Oak Quadruplex Letter Files and Card-index Files, Yost Typewriter, Shannon Rapid Roller Copier, three Omega Gas Stoves,

A 48-in. 12 CORNER BENT STEEL SAFE by J. TANN, 1,500 small Packing Cases, Trolley, Ranges of Shelves, two large size "Oresse" Anthracite Stoves,

PLATE-GLASS COUNTER, WALL, and CENTRE SHOWCASES, Instrument Showcases, Dials, Nests of Drawers, Partitioning, Benches, etc., Power Bench, and 12 Singer's Sewing Machines, three ditto on Treadle Stands, powerful Label-punching Machine, 2-h.p. Electric Motor, Heavy Screw Press, Pinking, Eyeletting, and other Machines.

MR. FRANK G. BOWEN
will SELL by AUCTION, on the PREMISES, as above, on WEDNESDAY and THURSDAY, 12th, 13th July, at 1 each day.

On view day prior. Catalogues of Hugh William Dunn, Esq., Messrs. Davies, Dunn & Co., Chartered Accountants, 46 Queen Victoria Street, E.C., and of the Auctioneer 62a Aldersgate Street, E.C.

LEGAL.

IN the matter of the TRADING WITH the ENEMY (AMENDMENT) ACT, 1916, and in the Matter of REINEMANN and COMPANY, 7 New Zealand Avenue, E.C., Dealers in Bronze Powders, &c.

By an ORDER of the Board of Trade, dated 8th June, 1916, under Section 1 (Subsection 1) of the above-mentioned Act, requiring the business of the above-named Company to be wound up, ATHELSTAN DANGERFIELD, of 56 Cannon Street, E.C., Chartered Accountant, was APPOINTED CONTROLLER of the Company to control and supervise the carrying out of the said Order, and to conduct the winding up of the said business.

Notice is hereby given that the CREDITORS of the above-named Company are required on or before 31st July, 1916, to send their NAMES and ADDRESSES and particulars of their debts or claims to Athelstan Dangerfield, of 56 Cannon Street, E.C., the Controller of the Company, and, if so required by notice in writing from the said Controller, are by their Solicitors or personally to come in and prove their said debts or claims at such time and place as shall be specified in such notice, or, in default, they will be excluded from the benefit of any distribution made before such debts are proved.

Dated this seventeenth day of June, 1916
A. DANGERFIELD, Controller.

FOR SALE.

FOR Sale, an excellent Remedy for Gout, Rheumatism, kindred diseases, a Medicine and Embrocation, having been supplied locally in Bournemouth for six years with great success and numerous testimonials from all classes; fully protected with trade-mark; would sell the whole or part; a great success. 16 Hankwood Road, Boscombe.

OFFERS.—1 lb. Sod. Salicyl. (Bayer); 4 oz. Sulphonal; 1 lb. Bismuth. Salicyl.; 6 oz. Aniline Blue; 3j. Atropine Sulph.; 3 lb. P. Gum Acacia; 25 oz. Quinine Sulph.; ½ lb. Phenazonum; 3 lb. Lin. Bellad. Meth.; 3 lb. Lin. Aconiti Meth. Clarke, Chemist, Falkirk.

NATIONAL Cash Register, second-hand; receipt printer; two drawers; a bargain. "A. W. T.," 17 Rosenthal Road, Catford, S.E.

½ CWT. Pot. Permang.; what offers for all or part? S. G. Bartlett, Jewry Street, Winchester.

¼ OZ. Argent. Cyanide, 4*s.* oz.; 3 oz. Quinine Salicyl., 4*s.* oz.; 4 oz. Sulphonal, 2*s.* 9*d.* oz.; 8 oz. Thymol, 3*s.* oz.; ¼ lb. Salicin, 1*s.* 4*d.* oz.; 1¼ oz. Piperine, 9*s.* 6*d.* oz.; 1½ lb. Turkey Opium, 32*s.* lb.; 1 gallon Tinc. Senna, 2*s.* 8*d.* lb.; 8 oz. Pulv. Ipecac., 22*s.* lb.; 4 + 1 lb. Caustic Potash Sticks, B.P., 10*s.* lb.; ½ oz. Cocaine, pure, 25*s.* oz.; 2 oz. Nicotine, 14*s.* oz.; 1 oz. Veratrina, pure, 10*s.* oz.; 2 drachms Cocain Nitras, 28*s.* oz.; 1 drachm Hydrastin, 20*s.* drachm; 1 oz. Morphina, 18*s.* oz.; 4 oz. Lithia Salicyl., 1*s.* 6*d.* oz.; 8 gross 1-gr. Quinine Pills, 1*s.* 6*d.* gross; 1 Winc. Tinc. Strophanth., B.P., 1914, 4*s.* lb.; 1 oz. Papain, 3*s.* 6*d.* oz.; 2 oz. Jalapine, 2*s.* oz.; 4 oz. Zinc Valerian, 2*s.* 6*d.* oz.; 1 lb. Pulv. Kino, 10*s.* lb.; 4 oz. Hyd. Sulph. Flav., 7*s.* lb.; ½ oz. Elaterium, 8*s.* oz.; 50 grns. Platinum Perchloride, 3*d.* per grain; 2 oz. Beberiæ Sulphas., 5*s.* oz.; ½ lb. Sodii Benzoas, 1*s.* 6*d.* oz.; 4 oz. Ol. Rutæ, 10*s.* lb.; 3 lb. Hyd. Iodid. Rub., 15*s.* lb.; 2 lb. Ferri Tart., 3*s.* lb.; 1¼ lb. Ferri Pyrophosp. (Scales), 3*s.* 6*d.* lb.; ¾ lb. Plumbi Iodid., 12*s.* lb.; 7 lb. Pulv. Antim. Sulph., 3*s.* lb.; 1¾ lb. Gum Ammon., 9*d.* lb.; 5¾ lb. Pulv. Colocynth Turc., 1*s.* 6*d.* lb.; ¾ lb. Powdered Prussian Blue, 4*s.* 4*d.* lb.; 10½ lb. Rad. Aconite, 6*d.* lb.; 1¾ lb. Gallic Acid, 5*s.* 4*d.* lb.; 4 oz. Beta-Naphthol, 2*s.* 4*d.* oz.; 1 lb. Lump Indigo, 10*s.* lb.; ½ lb. Acid Picric, 4*s.* lb.; 12 lb. Antim. Tart. Pulv., 3*s.* 3*d.* lb.; 3 oz. Caffein, pure, 2*s.* 6*d.* oz.; 12 oz. Caffein Citras, 25*s.* lb.; 1 lb. Bromidia, 10*s.* lb.; 2 oz. Bismuth et Ammon. Cit., 1*s.* 2*d.* oz.; 2 oz. Bismuth Salicyl., 1*s.* 3*d.* oz.; 14 oz. Vanillin, 3*s.* oz. Wild's Remedy Co., Ashton Old Road, Openshaw, Manchester.

OFFERS for Morphin. Sulphas, 345 grains; Morphin. Acet., 340 grains; Morphin. Tart., 450 grains; Codein. Sulphas, 70 grains; Atropine, 37 grains; Heroin, 96 grains; Eucaine Hydrochlor. "B.," 30 grains; Cantharidin, 7 grains; Indigo Blue, 10 oz.; Beberine Sulphas, 2½ oz.; Lithii Guaiacas, 1 oz.; Chinosol, 1 oz.; Trional (Bayer), 1 oz.; Tannigen, 1 oz. 97/8, Office of this Paper.

1 GROSS Palm Olive Soap, 48*s.*; 14 lb. Potas. Permang., 7*s.*; 10 lb. Pot. Chlor. Cryst., 1*s.* 9*d.*; two 1-lb. botts. Caustic Potash Sticks Coml., 8*s.*; what offers? 600 5-gr. Sulphonal Tabs., 800 5-gr. Antipyrine Tabs., 5,000 5-gr. Aspirin Tabs., 56 lb. Napthaline Balls, 56 lb. Solazzi Juice. Taylor, Crown Street, Halifax.

AGENCIES.

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AGENCIES Wanted.—A firm of General Importers, Indentors, and Manufacturers' Agents have opening for Agencies of all kinds; splendid situation Melbourne business centre; fine naturally lighted showrooms and large windows; reference, Commonwealth Bank of Australia. E. Duncan & Co., Strand Buildings, 152 Elizabeth Street, Melbourne.

BUYING Agents wanted for India, Burmah, Straits Settlements, China, Japan and the East, U.S.A., and South Africa, for a high-class Antiseptic and Medicinal Drug, capable of a variety of uses. The Iglodine Co., Ltd., Newcastle-on-Tyne.

GENTLEMAN Representing very well-known Proprietary house, Wales and Bristol and district, desires another good reputable firm; speciality—Proprietary, Packed Goods, etc., good selling Lines; worked ground last 6 years; sound connection; over 600 accounts; remuneration open to arrangement. Replies, 99/7, Office of this Paper.

ITALIAN firm desires business connections with English Manufacturers of Dyestuffs, Varnishes, and Chemical products; advertiser is in London for express purpose of buying Dyes. Address, Ferrari, Richelieu Hotel, Oxford Street, W.

MANUFACTURERS' Agent.—Qualified Chemist of some business ability, own Showroom and Travellers, requires additional Agency or Representation; open to negotiate with first-class firm who wants business and can deliver the goods. Apply, 93/15, Office of this Paper.

TO LET.

TO Let, at an early date, Chemist's shop (with off Spirit and Beer Licence attached), dwelling-house and garden, at Sherburn-in-Elmet, W.R. Yorks.; serves a wide radius. Apply, Perkins & Perkins, Solicitors, Sherburn-in-Elmet.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

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RETAIL.

BEACONSFIELD.—Lady Assistant required with knowledge of Pharmacy and Bookkeeping. Send particulars as to age, height, experience, and salary required, outdoors, to Mr. R. W. Brooke, Chemist, Beaconsfield.

BEDFORD.—Temporary Assistant wanted for six weeks in August and September; need not be qualified. State age, experience, and salary (outdoors), to Anthony & Son, Chemists, Bedford.

BLACKPOOL.—Capable Assistant required till the end of September; ineligible or over military age. State experience, salary required, and when disengaged, to C. R. Gaulter, 88 Central Drive, Blackpool.

BLACKPOOL.—Wanted shortly, Assistant for Light Retail. Apply, stating salary required (outdoors), age, etc., to Greenwood, Chemist, Central Drive.

CANTERBURY.—Assistant wanted, unqualified, for about 2 months, July and August, for Dispensing and good-class business. Apply, stating all usual particulars, including salary required (outdoors), with photo, to E. Bing & Son, Pharmaceutical Chemists, Canterbury.

CASTLEFORD.—Wanted immediately, gentleman, qualified, to take charge of first-class Pharmacy; ineligible; must be thoroughly efficient. Apply to T. S. Hudson, The Smawthorne Pharmacy, Castleford.

CREWE.—Qualified Assistant wanted at once, ineligible, or over military age, for a good-class Mixed Country business; short hours, 8 to 8; Wednesday half-day; no Sunday duty; outdoors; state age, salary required, and experience. Apply, Exors. of E. Booth, Chemist.

CUMBERLAND.—Wanted, unqualified Assistant; not eligible for Army; good-class experience. Wilson & Kitchin, The County Chemists, Whitehaven.

FULHAM, S.W.—Qualified Manager wanted; good references essential. Write, giving full particulars as to age, salary required, etc., to J. A. Day, 153 Dawes Road, Fulham.

GRAVESEND HOSPITAL, Kent.—The post of lady Dispenser to this Hospital (with emergency war beds, 100 beds) will shortly be vacant, and the Committee invite applications from suitable candidates. Full particulars can be obtained on application to the Secretary, to whom applications should be sent immediately.

GRIMSBY.—Qualified Branch Manager required, ineligible; good salary and short hours; no Sunday duty. Apply, giving age, experience, references, and salary required (outdoors), with photo (returned), to the Exors. W. Barker, Chemists, Grimsby.

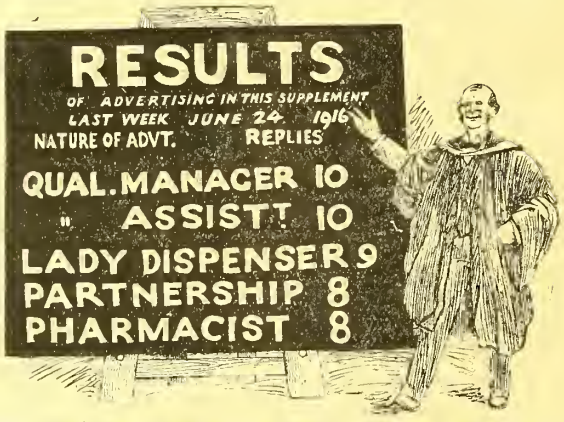
KENSINGTON.—Wanted July 16, unqualified Assistant for good-class Dispensing business; outdoors. Apply, P. Barrs, 106 Church Street, Kensington, W.

LEIGH-ON-SEA.—Qualified (ineligible) or lady Pharmacist, accustomed to good-class Retail and Dispensing business; also qualified elderly, part-time, seeking light duties; permanency. Full particulars to A. G. Foster, Chemist, Leigh-on-Sea.

LONDON (Central).—Outdoors Assistant wanted for a Branch; qualified or unqualified. Frizell & Co., Leicester Square, W.C.

LONDON (Suburb).—Assistant; ineligible; whole- or part-time; outdoors; good-class Retail, Dispensing, and Photographic; state usual particulars, salary expected, and when disengaged. Apply, J. P. Kendall, 20 Park Parade, Palmer's Green, N.

LONDON, N.W.—Wanted at once, unqualified Assistant (outdoors), good Dispenser; ineligible. Apply, with full particulars, to W. R. Ames, High Street, St. John's Wood.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed o/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

LONDON, S.W.—An Assistant wanted; a good Dispenser. Apply, with full particulars, to Amoore & Co., 173 Sloane Street, S.W.

LONDON, W. (near Baker Street).—Qualified Manager, to take sole charge; reliable man with previous experience and good references; smart Counter experience; ineligible; salary and commission. Give full particulars, references, and salary required, and when at liberty, Goodall, 66 Lower Richmond Road, Putney.

LONDON, W.—Wanted in a Light Retail business, Pharmacist who has afternoons and evenings to spare; light berth. "Cherwell," (101/29), Office of this Paper.

MANCHESTER Suburb.—Wanted at once, an unqualified Assistant to work with a qualified Manager; live outdoors; nice comfortable berth; most pleasant district; state salary asked and experience. Apply, "Pharmacist," c/o Thos. Tomlinson & Son, 45a Market Street, Manchester.

MARGATE.—Branch Manager, accustomed to good-class Retail and Dispensing. Apply, with full particulars of experience, age, height, and salary required, to D. T. Evans, Chemist, Margate.

N.E. LONDON.—Unqualified, mainly for N.H.I. Dispensing; not eligible for military service; hours 9.30 to 9.30, alternate Sunday evenings, 7 to 9, with Wednesdays off from 1 p.m. State age, experience, salary (outdoors), etc., "G. S. P." (97/5), Office of this Paper.

NEWINGTON BUTTS, London.—Well-known firm have an opening for capable unqualified Assistant above military age, or who has been rejected; application from a smart young lady who has had experience in Chemist's shop, particularly Dispensing, would be entertained. 98/24, Office of this Paper.

NORTHAMPTON.—Wanted, lady Dispenser, also Post. Ledger, and Record Cards. Apply, Dr. Cropley, Northampton.

PETERBOROUGH.—Lady wanted in good-class Country business; must be reliable Dispenser; good hours. State experience, age, salary required (outdoors), J. E. Saunders, Peterborough.

ROYAL London Ophthalmic Hospital, City Road, E.C.—Assistant Pharmacist required for duration of war; Minor qualification essential; hours 8.30 to 3.30 (approximately); lunch provided. State age, experience, and salary required, to the Dispenser.

SHEFFIELD.—Wanted, Assistant for Mixed business (ineligible). Particulars to Percy Carr, Pharmacist, Ecclesall Road, Sheffield.

SHEFFIELD.—Lady Assistant; must be a careful Dispenser and have had experience in a Chemist's establishment; capable of Serving at the Counter occasionally. State age, height, experience, and salary required, enclose photo if possible, and when at liberty, G. T. W. Newsholme, Ltd., 27 High Street, Sheffield.

SOUTH OF ENGLAND.—**Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.**

WEST END.—Middle of July, competent Assistant; outdoors; ineligible for military service; good references. 98/38, Office of this Paper.

WEST HAM AND EASTERN GENERAL HOSPITAL, Stratford, E.—Wanted, a qualified Assistant Dispenser (male); salary 35s. per week, with dinner; applicants must be ineligible for military service. Apply, with copies of three recent testimonials, to A. W. Scrivener, Secretary.

WHITEHAVEN.—Qualified Assistant (lady or gentleman), outdoors, for Retail, Dispensing, and Prescribing; short hours. Applications, with full particulars, to H. Clarke, 11 Market Place, Whitehaven.

YORK COUNTY HOSPITAL.—Wanted, qualified Locum Tenens Dispenser for a month in August; short hours; one having Hospital experience and living within 100 miles preferred; salary £2 10s. per week, luncheon provided daily. Apply, with full particulars, to the Pharmacist.

ASSISTANT wanted; unqualified; experienced; easy hours; 50s. weekly. Apply, with references, to T. G. Stewart, Chemist, Bracknell.

ASSISTANT Stockkeeper required in large Retail establishment with good experience. Write, stating salary desired, together with full particulars, to "L. J.," 429, Sells' Advertising Offices, Fleet Street, E.C.

ASSISTANT required for Dispensing and Counter; one with West-End experience preferred. Apply, The Manager, Heppell & Co., 26 Piccadilly.

COMPETENT and trustworthy Assistant (ineligible) wanted beginning of August for good Country business, with some N.H.I. work; outdoors; good salary; moderate hours. Usual particulars and references to Woodhouse & Son, Chemists, Ludlow.

DISPENSER required for whole or part time employment; previous experience essential; London suburbs. Address 101/39, Office of this Paper.

EVENINGS 3 days weekly, 7.30 to 10 o'clock, 3 hours on Sunday evening wanted at once; ineligible. Apply, F. G. Curtis & Sons, 20 Bury Street, British Museum.

GOOD opportunity for Manager; £3 5s. weekly and 10 per cent. on profit of well-established and successful Suburban business in Western City; progressive position, with partnership for right man; Junior and lad kept. Please give usual particulars, with recent photo, and when disengaged, to "Scope" (255/30), Office of this Paper.

LADY (Junior) wanted for N.H.I., used to Counter work. Please state age, experience, and salary required, 96/1, Office of this Paper.

LADY Assistant; **must be a good Dispenser, and have ha experience in a Chemist's establishment; vacancy not in London; comfortable permanency for suitable applicant. State** age, salary required, and when at liberty, "L. A." (98/242), **Office of this Paper.**

LOCUM, 4 weeks August, September; London, N. 100/32, Office of this Paper.

MANAGING Assistant required for Branch business; good opportunity offered to one requiring a permanency; reasonable hours; share interest offered in return for good services; near Newport and Cardiff. State salary required and full particulars, in first letter, Clarke, Chemist, Bedwas.

MESSRS. TIMOTHY WHITE CO., LTD., **Chemists, Portsmouth,** require a capable Pharmacist (male or female); **easy hours; good and progressive salary, with excellent prospects.**

PART-TIME Assistant; qualified or unqualified. Apply, stating time at liberty, to Quibell, Station Pharmacy, Golders Green.

QUALIFIED Manager required for modern Cash business; permanency, with plenty of scope; liberal interest in the profits offered to a first-class man; state whether married. "Manager" (98/240), Office of this Paper.

QUALIFIED Chemist to Manage Branch, middle-class Cash business, with Insurance and private Dispensing; easy hours; no Sunday or night duty. Applicants, who must be men ineligible for military service or women, must send full particulars of experience, stating age and salary required, to Martyn's Stores, Ltd., Wolverhampton.

REQUIRED July 24, an Assistant accustomed to high-class Dispensing business; must be a competent Dispenser; salary £3 a week. Apply, giving full particulars, experience, age, and references (enclose photo if possible), to W. A. Weston, 8 Sandringham Parade, Ealing.

NATIONAL INSURANCE ACTS.

THE BIRMINGHAM INSURANCE COMMITTEE have a vacancy for a Female Clerk in the Pricing Bureau; candidates must be able to read prescriptions. Apply, with full particulars, stating salary required, to The Clerk, Insurance Committee, Birmingham.

TEMPORARY Assistant wanted for the month of August; applicant need not be qualified. Please apply, S. Phillips, Pharmaceutical Chemist, Wolverhampton.

UNQUALIFIED Assistant; age about 45; comfortable and permanent post. State salary required and when at liberty, "U." (98/241), Office of this Paper.

UNQUALIFIED, ineligible Assistant required for good-class Retail and Dispensing business; outdoors; good salary and reasonable hours. Timmis, 91 High Street, Beckenham.

WANTED immediately, qualified man to take charge; references must bear strictest investigation; good wages given; Manchester district. 94/15, Office of this Paper.

WANTED, qualified lady Dispenser for four weeks, commencing July 31, Monday and Tuesday afternoons and evenings, Thursday and Friday afternoons. Apply to the Dispenser, Tuberculosis Dispensary, 108 Grange Road, Bermondsey.

WINDOW-DRESSERS required who have had high-class experience in Window- and shop-dressing for Drug, Cigar, and Provision Stores; good salary for an artist with original ideas. Write to "K. L. M.," c/o J. W. Vickers & Co., Ltd., 5 Nicholas Lane, E.C.

WANTED immediately (indoors), female, accustomed to put up stock and able to attend Post Office work, the latter not essential if willing to learn. State full particulars re salary and experience, "Chemicus," 170 Hainton Avenue, Grimsby.

WANTED at once, reliable Assistant; outdoors; unqualified; lady or gentleman; easy hours, and no extra or holiday duties. State age, height, experience, and salary required, to Taylor's (Northern) Ltd., 4 Crown Street, Halifax.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

EDINBURGH.—Drug Traveller; ineligible for military service; connection essential. Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool.

LONDON.—Representative wanted calling on Chemists with good Side Lines; only smart man with connection need apply. 99/35, Office of this Paper.

LONDON House requires an experienced man to assist in superintending Export Despatch Department; ineligible; state experience and wages required. Apply, 252/67, Office of this Paper.

COUNTER Assistants, Wets and Dries, also Checkers for Home and Export despatch; ineligible for military service. Apply to Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close.

EXPERIENCED Representative required to call on Chemists, Doctors, Hospitals, etc., in West Yorkshire and part of Lancashire; knowledge of Surgical Instruments desirable. Apply, stating full particulars, to Reynolds & Branson, Ltd., Wholesale, Pharmacists, Leeds.

EXPORT Packing and Despatch.—Well-known London Wholesale Druggists require experienced man to superintend department. Full particulars, stating salary required, to 1/22, Office of this Paper.

IMMEDIATE vacancy for a trained Salesman with Pharmaceutical experience, to Sell Laboratory Products only; also for two Representatives with training in Medical and Hospital work. Applicants should write fully to "D. A. N.," Laboratory Dept., Armour & Co., Ltd., Atlantic House, Holborn Viaduct, E.C.

SHORTHAND Typist; must be quick and accurate, and have a knowledge of the Drug trade; ineligible for military service. Write, giving full particulars, to "S." (1/12), Office of this Paper.

TABLET Making.—Allen & Hanbury's, Ltd., Bethnal Green, E., require men with experience of Tablet-making, including Sugar Coating. Apply by letter, stating age, experience, and salary required.

TYPEWRITING and Shorthand Clerk required at once; must have a knowledge of the Drug and Patent Medicine trade; neat and accurate in his work; permanent situation for a good man. Apply, stating age, salary required, etc., to Goodall, Backhouse & Co., Leeds.

WANTED, expert for Packed Goods Department; must have thorough knowledge of the Manufacture of all Toilet Lines and able to control staff; progressive position; good salary. Apply, with full particulars, 98/6, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

CHINA.—An Assistant, accustomed to first-class Retail and Dispensing business; qualified preferred, but not essential; age 21-30; four years' agreement; good salary; passage paid out and home; must be ineligible for military service. Address, "X." (98/19), Office of this Paper.

APPRENTICESHIPS.

WANTED, a situation as Apprentice in Chemist's shop; sleep in preferred; near Croydon. 101/31, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]
RETAIL.

ABLE man, formerly Pharmacist (qualified), available shortly; wide and important experience; is fitted for position demanding ability and wits; University Chemistry. "Ineligible" (101/35), Office of this Paper.

ANALYTICAL Chemist, 24, desires post abroad; present in Spain; at liberty in November. Write, "E." (91/6), Office of this Paper.

AS Locum or permanency; reasonable terms; recent references. "Chemist," 40 Boathouse, Exmouth, Devon.

AS Manager or Senior, Minor; active; thoroughly experienced; over age. "Veritas," 385 Durnsford Road, Wimbledon Park.

ASSISTANT; unqualified; rejected; 23; Yorkshire preferred, but not essential; disengaged. 98/33, Office of this Paper.

ASSISTANT or Manager; over military age; tall; good Dispensing experiences; London or suburbs preferred; now disengaged. Letter, B., 4 The Parade, Sudbury, Harrow, Middlesex.

ASSISTANT; good experience; exempt; London or suburbs; Harrow district preferred. 100/13, Office of this Paper.

ASSISTANT (20), requires re-engagement; seaside preferred; ineligible; Photography and Dispensing. 100/23, Office of this Paper.

BIRMINGHAM and District.—Assistant; unqualified; 42; good varied experience; first-class references; outdoors; disengaged. 100/8, Office of this Paper.

BRANCH, Small.—Registered, over military age, Prescriber. B., Bank Pharmacy, Luddendenfoot

CAPABLE Assistant (unqualified, rejected), with business abilities; first-class Salesman; quick, accurate Dispenser; undeniable references. Apply, 94/14, Office of this Paper.

CHEMIST, qualified, many years' experience as Drug Buyer and Manager in departmental stores, is desirous of making a change; present position 9½ years; most excellent references; keen buyer and well up in all branches of business; can open new department or extend existing one; age 48; salary required £300 per annum and commission on increased turnover. 2/47, Office of this Paper.

CHEMIST'S daughter, unqualified, seeks employment at Counter and assist in Dispensing; can give mornings and afternoons or mornings and evenings; Western district. Miss Johnson, 2 Victoria Gardens, Notting Hill Gate.

DEVON or Cornwall.—Whole or part time Photography, Dispensing, take charge. Locum, "Normanhurst," Heston Road, Hounslow, Middlesex.

DISENGAGED; age 45; Locum or permanency; good references and experience. "Energetic" (99/390), Office of this Paper.

DISPENSER.—Post desired by Clergyman's daughter, Hall certificate, thoroughly experienced in Doctor's Surgery; also some experience in Hospital work; capable of looking after car and driving if required; highest references; shop work declined. "Bon Gré" (98/15), Office of this Paper.

DISPENSER in Institution, permanent or Locum, for August or July; qualified; 49. "Phenacetin" (100/25), Office of this Paper.

DISPENSER; Doctor's preferred; ineligible; unqualified; good experience. B., 28 Gildersome Street, Woolwich, S.E.

JUNIOR; 22; first-class Dispensing, Retail, Photography; disengaged; fluent French. 99/4, Office of this Paper.

LADY Dispenser (Hall), disengaged, highest personal references, Hospital and Institute experience, desires post, public or private. "M. 1.," Vicarage, Well Street, E.C.

LADY Dispenser seeks re-engagement with Doctor; good experience and reference; London or near Cardiff; disengaged. 98/22, Office of this Paper.

LADY Assistant (unqualified), requires situation; Dispensing and Counter experience. 98/8, Office of this Paper.

LADY Dispenser (Hall) requires post with Doctor, Hospital, or Chemist; some experience. Williams, Flat 2, 31 Glengall Road, Kilburn, N.W.

LADY Chemist, qualified, experienced, offers assist short-handed Chemist, evenings weekly from 6 p.m. or during week-ends; Coventry or district preferred. 100/26, Office of this Paper.

LIVERPOOL District (or near).—Pharmacist, with ample experience in Management, is open to offers of Managership, with interest, in good-class business; permanency and reasonable hours desired; disengaged after August 9. Please give in first letter full particulars, in confidence, of locality, hours, and salary offered, 99/120, Office of this Paper.

LOCUM or temporary; qualified; ineligible; young; not London; disengaged July 31; good experience and references. Please send particulars 98/37, Office of this Paper.

LOCUM; N.H.I. Dispenser; experienced Counter hand; disengaged July 3. Edward Fairview, North Road, Ferndale, Glamorgan.

LOCUM; unqualified; experienced; ineligible; disengaged; London only. "Ajax," 28 Sydney Street, Chelsea.

LOCUM Tenens or temporary; disengaged; experienced; ineligible; references. 99/31, Office of this Paper.

LOCUM (unqualified); 28; reliable, trustworthy; excellent reference; seaside or country before taking another permanent berth; disengaged August. "Nux," 47 Lismore Road, Hampstead, N.W.

LOCUM Dispenser (lady), Hall, first fortnight July. 16 Stonor Road, West Kensington.

LOCUM TENENS.—Qualified Chemist (42), ineligible, desires engagement for July; accustomed to best-class businesses only. "Pharmacist," 1 Rasemount Mansions, N.W.

LOCUM or Manager; 45; qualified; fine experience; good references. 101/24, Office of this Paper.

LOCUM, unqualified, about one week during July. Williams, 43 Achilles Road, N.W.

LONDON Only.—Branch Manager, Assistant; over military age; unqualified; abstainer; Front Counter, Dispensing; disengaged. State salary (outdoors), "Hodie," 10 Alfearn Road, Clapton, N.E.

MANAGER; unqualified; 33; ineligible; 14 years' experience; keen Salesman, accurate Dispenser, and good Window-dresser; salary 50s. weekly. Owen, 16 King Street, Pontypool.

OUTDOORS.—Experienced, unqualified; disengaged July 7. Morris, 43 Adolphus Street, New Cross, S.E.

PART-TIME, qualified, evenings, Saturday 2 p.m., occasional Sundays. "Pharmacist," 5 Claverton Street, S.W.

PART-TIME employment, Dispensing, etc., required by lady student, Elt's College, North Finchley, or near. Reply, Miss R., Elt's College.

QUALIFIED (40), married, exempt, West End and South Coast experience, desires change, preferably as Manager with interest in the business, or position of responsibility with good prospects. "Efficiency" (98/28), Office of this Paper.

QUALIFIED; 39; married; exempt; Locum, permanency; disengaged. Stewart, 3 Elborough Street, Southfields, S.W.

QUALIFIED (33), married, unfit active service, capable and willing, as Manager or Senior; good all-round London experience; thorough knowledge Dentistry, Optics, and Photography; good references. "T. H.," 124 Manor Park, Lee, S.E.

QUALIFIED Manager, temporary, by active, elderly man with reliable references; disengaged July and August. Address, 100/20, Office of this Paper.

QUALIFIED Manager; ineligible; experienced; sober, industrious, reliable; at liberty; town or country; last posts eight years and five years; London or South preferred. 100/16, Office of this Paper.

QUALIFIED desires change; at liberty July 3; good references. 99/38, Office of this Paper.

QUALIFIED, experienced Manager, ineligible for military service, desiring change, is open to booking engagements as Locum for few weeks after Bank Holiday. Kindly state full requirements, with remuneration offered. 99/12, Office of this Paper.

QUALIFIED; elderly; good experience; short hours; reasonable salary; permanency; London. 99/11, Office of this Paper.

QUALIFIED; ineligible; finest experience; City preferred; disengaged. Rees, 1 Rosemont Mansions, N.W.

QUALIFIED ineligible, 45, desires change; would like permanency; married; experienced all branches. Kindly state salary, hours, and full particulars, 2/32, Office of this Paper.

RE-ENGAGEMENT wanted as Manager of small Branch by elderly qualified man; capable, active, and reliable; good references; West-End, City, and country experience. 97/22, Office of this Paper.

RELIEF Manager or Assistant for Wednesdays. "Competent," 59 Engadine Street, Southfields, S.W.

SHEFFIELD.—Young Assistant; ineligible; disengaged. G. Wheeler, Totley Rise, Nr. Sheffield.

SMART Dispenser; familiar with National Insurance; town or country. Address for interview, 101/260, Office of this Paper.

TEMPORARY post as Assistant, Dispensing, Counter, etc.; Yorkshire preferred; free now. Holmes, "Hesperides," New Laithes, Horsforth, Nr. Leeds.

UNQUALIFIED Assistant, lady (25), 8 years' experience in Retail Chemist's, desires situation in or near Manchester. 100/3, Office of this Paper.

UNQUALIFIED; 28; disengaged until August 1; reliable; Dispensing, Photography. "S. O. S.," 66 Kempe Road, Kensal Rise.

42S. INDOORS and return fare; elderly, reliable; Locum, or would take charge of small business during war. Futcher, 3 Milton Market, Portsmouth.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

DISPENSER seeks post; ineligible. 99/28, Office of this Paper.

LABORATORY.—Experienced man above military age, seeks situation to Manufacture Toilet Preparations; good-class references. "Ilex" (101/25), Office of this Paper.

PERFUMER-CHEMIST of wide experience, seeks position; practical maker and creator of all Toilet and Pertumery Goods. Salary about £300. "Confido," 99/32, Office of this Paper.

QUALIFIED Chemist (Major) seeks position in Wholesale house or Chemical Laboratory; over military age; Manchester preferred. 98/27, Office of this Paper.

REQUIRED, position as Traveller for Ireland or province, Wholesale Drug, Sundries, etc; well-known in trade; excellent experience, Wholesale and Retail. 98/26, Office of this Paper.

STOCKKEEPER or Manager of Patent Medicines Department; twelve years' experience in Wholesale and Retail, comprising Wet, Dries, Sundries, Chemical Apparatus, and Patent Medicines; ineligible. "H.," 62 Elton Road, Bishopston, Bristol.

TOWN Representative with personal connection, Drugs and Chemicals, now disengaged. 101/26, Office of this Paper.

TRAVELLER, good connection, wishes to Represent good firm, expenses and commission; good Side Line not objected to. "Drug," 69 Peakfield Avenue, Grimsby.

TRAVELLER; disengaged; Retail and Travelling experience; Scotland or Midlands preferred. 100/35, Office of this Paper.

TRAVELLER Representing first-class London Sundry House; exempted; smart Salesman; excellent connection London, South Coast. 80/5, Office of this Paper.

WANTED, position as Traveller for good Wholesale Drug or Sundry house; varied Retail experience; 42; permanency with good prospects desired; first-class reference. 100/22, Office of this Paper.

WEST of England.—Gentleman covering this ground desires an additional commission for a well-known house; excellent references; guarantee. Address, "Bristolian" (99/26), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green.

Shares for Sale (free of commission, subject).—300 Anglo-Java Rubber 6*s*. 3*d*., c.d. 15 per cent.; 500 Dolok Rubber and Coffee, 2*s*. 9*d*.; 30 W. B. Fordhams, 10*s*. 4½*d*.; 400 Matamba Sugar, 1*s*. 4½*d*.; 200 Perak Rubber, 7*s*. 3*d*., cd. 25 per cent.; 100 Spratt's Ordinary, 29*s*. 3*d*.; 50 Peck, Frean Preference, 18*s*. 9*d*. cd.

Wanted (subject).—120 Allenbury Preference, Idris Debenture.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SHOP FITTINGS.—War Bargains; Mahogany and Plate Glass Sponge Case with bent top, 75*s*.; 10 ft. Mahogany and Plate Glass Serving Counter, £8; Perfumery Case and Desk, 52*s*. 6*d*.; 4 ft. Bent Counter Case, 45*s*. Write enquiries, PHILIP JOSEPH & SONS, LTD., 93 Old Street, London, E.C.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

MILK Sugar.—For Sale, a few tons of White Milk Sugar of almost B.P. quality. Sample and analysis on application, "X. Y. Z." (258/48), Office of this Paper.

WHAT'S Wrong with a Motoring Holiday?—Chemist-owner-driver early September offers three brother pill-punchers 8-10 days' run, Chester, Shrewsbury, Hereford, for Devonshire, S. Coast, New Forest, Wye and Severn Valleys, etc.; go-as-you-please sporting trip; previous occasions huge successes; charges very moderate. Write early for particulars, "Petrol" (259/34), Office of this Paper.

DOUBLE THE RETURNS

of your **DEVELOPING** and **PRINTING** department by having the work done in the very best style at lowest prices, and returned to you 9 hours after we receive it. We are expert specialists. Send for our list and specimen of our work, and then give us a trial—we pay return carriage.

STEAD & CO., Photographic Experts, Duke St., BRIGHTON.

BUSINESS OPPORTUNITIES.

An Advertising man of acknowledged reputation and capacity, a forcible writer, good organiser, able and resourceful, with a striking record of success in the developing of advertising propositions, is prepared to co-operate with a substantial business man in some promising undertaking on mutual terms. Address CO-OPERATE, 8 Mortimer St., Regent St., London.

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of **1/-** for six words or less; **2d.** per word beyond, prepaid Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Acid. acetylsalicylat. (99/18)
Ammon. bromid. (99/18)
Luminal or luminal-sodium (100/18)
Luminol (98/34)
Metallic calcium (fused) (99/33)
Phenacetin (99/22)
Pot. brom. (99/18)
Pot. permang. (99/22)
Pusol (99/18)
Resorcin (99/22)
Zinc valerianate (99/22)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Acid. citric. pur., 11 lb. (97/4)
Amidol, 1 oz. (98/18)
Aniline black, 3¾ lb. (97/4)
Argyrol, 1 oz. (98/18)
Diuretin, 1 oz. (98/18)
Gum tragacanth elect., 1¾ lb. (97/4)
Guaiacol carb., 2 lb. (1/8)
Methyl. salicyl., 2 gals. (1/8)
Metol, 1 oz. (98/18)
Phenacetin, 2 oz. (98/18)
Phenazone, 5 oz. (98/18)
Protargol, ¾ oz. (98/18)
Xeroform, 1 oz. (98/18)

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6*d*.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

B.P., 1914, brand-new, for 8*s*. 6*d*. Leefe, Pharmacist, Pinner.

DRUGS AND CHEMICALS.

ACETANILIDE (antifebrin), 15 oz.; what offers? 97/1, Office of this Paper.

4 OZ. phenacetin, 2 lb. potassii tartras; offer in cash or exchange. Banks, 356 Walworth Road, London.

WHAT offers? 8 oz. pot. bromid., tinct. buchu, cubebæ, 1 oz. veratrine, helmitol, croci, ʒj. atropin. sulph. Hasselby, Hastings.

RESORCIN, ½-lb. bottle (Evans Lescher & Webb); perfect condition; owner joining Army; what offers? Harvey, 26 Trafalgar Road, Wallasey.

GUM. tragac. elect., 8 oz.; ditto sec., 8 oz.; tannic acid, 1 lb.; opium, 10 oz.; piperazin, 1 oz.; musk gran., 46 grs.; sulphonal, 4 oz.; morphia hydrochl., ½ oz.; ditto acet., 1 oz.; ditto tartras, ½ oz.; atropin. sulph., 10 grains; chloral hydras, ½ lb.; caffein pur., 1 oz.; caffein cit., ½ oz.; saccharin (330), 1 oz.; what offers? Slinn, Chemist, Newport, Salop.

SHOP FITTINGS.

SHOP-ROUNDS, labelled, 30 20-oz.; 16 4-lb. ointment jars, tin covers, labelled; no reasonable offer refused. Duck, Chemist, Cardiff.

MISCELLANEOUS.

MARBLE mortar, weight 6½ stone, diameter outside 16 in., inside 12 in., with lignum vitæ pestle; what offers? Aspland, Thetford.

WANTED.

WANTED, sifter and mixer; state make, size, etc. Reply, 89/32, Office of this Paper.

WANTED, layoline, large 1*s*. tins. State price and quantity. Woolley & Co., Chemists, Leicester.

WANTED, ozonia, Awami shampoos, Macaur's pulsometers; good condition essential. A Roberts, Chemist, Acton, W.

WANTED, gross of boxes of 12 assorted sea tangle tents, solid, about 25*s*. doz. Wilcox & Co., 49 Haymarket, London.

WANTED, Ozonia bath salt, any quantity, cheap; job lots hair brushes, perfumes, etc. State price, 98/11, Office of this Paper.

WANTED, empty 25-gall. tin-lined cod-liver oil barrels, in good condition. State quantity and lowest price to. Cupal, Ltd., Blackburn.

GLASS shelves required, 8 to 9 in. wide, 70 in. long, 30 or 40 oz. W. M.'s; window stand, 7 ft. high, and glass shelves for same. Walker, Malpas.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO. LTD., 1 New-street Square, and Published by the Proprietors at 42 Cannon Street, in the City of London.—*July* 1, 1916. [68]

N.B.—Prices quoted herewith are for preparations according to the New Pharmacopœia, 1914.

PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below.

N.B.—We would draw attention to the fact that all prices quoted herein are subject to alteration without notice, and that where stocks are limited preference is always given to our regular customers.

Fol. Sennæ Tinnev., 1 cwt. @ 10d. lb.; 7 lbs. @ 11d. lb.; English Ground, 56 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.
Formaldehyde, 40%, 4 cwt. barrels @ cwt.; 7 lbs. @ 1/4 lb.
Fuller's Earth, fine powder or lump, 5 cwt. @ 8/3 cwt.; 1 cwt. @ 9/6.

Gallæ Cærul. Pulv., 7 lbs. @ 2/- lb.
Gamboge, English Ground, 7 lbs. @ 4/8 lb.; 1 lb. @ 5/- lb.
Ginger, English Ground, 1 cwt. @ 60/- cwt.; 7 lbs. @ 8d. lb.
Gingerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.
Glycerin. Opt. D.D., 1.260 P.B., 56 lbs. @ cwt.; 12 lbs. @ lb.
*Glycerin. Acid. Boric, P.B., 6 lbs. @ 2/1 lb.
* ,, Acid. Carbolic, P.B., 6 lbs. @ 1/10 lb.
* ,, Acid. Tannic, P.B., 6 lbs. @ 2/5 lb.
,, Belladon. B.P.C., 6 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.
*Glycerin. Boracis, P.B., 6 lbs. @ 1/6 lb.
* ,, Pepsin. Acid, P.B., 1 lb. @ 3/3 lb.
* ,, Plumbi Subacet., P.B., 6 lbs. @ 1/11 lb.
Guaiacol Carb., 1 lb. @ 102/- lb.
Guaiacol, pure, 1 lb. @ 65/- lb.
Gum Acaciæ sorts, 3 cwt. @ 77/6 cwt.; 1 cwt. @ 81/- cwt.; 7 lbs. @ 10d. lb.; English Ground Powder, No. 1, 1 cwt. @ 140/- cwt.; 7 lbs. @ 1/6 lb.; No. 2, 1 cwt. @ cwt.; 7 lbs. @ 1/2 lb.
Gum Benzoin, Sumatra, 84 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.
Gum Catechu Nig., English Ground, 1 cwt. @ 105/- cwt.; 14 lbs. @ 1/- lb.
Gum Guaiaci, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.
Gum Juniper, 14 lbs. @ 1/- lb.
Gum Thus Elect., 2½ cwt. @ 48/- cwt.; 28 lbs. @ 52/- cwt.
Gum Tragac. Elect., English Ground, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.

*Heading (Frothing Ess.), 5 lbs. @ 1/3 lb.
Heliotropine, 1 lb. @ 26/- lb.
Hellehore, White, Powder (Foreign Ground), 1 cwt. @ 52/6 cwt.
Hexamethylenetetramine, 7 lbs. @ 5/3 lb.; 1 lb. @ 5/7 lb.
Honey, Pale Set, Jamaica, 28 lbs. @ 78/- cwt.; Californian, ½ cwt. @ cwt.; 7 lbs. @ lb.
Hydrargyrum, P.B., 10 lbs. @ 5/6 lb.; 1 lb. @ 5/10 lb.; Ammon., 28 lbs. @ 7/6 lb.; c. Creta. 28 lbs. @ 2/6½ lb.; Iodid. Ruh. 28 lbs. @ 16/2 lb.; Oxid Rub., 28 lbs. @ 7/6 lb.; Perchlor., Lump, 28 lbs. @ 7/7 lb.; Subchlor. 28 lbs. @ 7/4 lb.; Sulph. c Sulph., 28 lbs. @ 7/- lb.; 7-lb. quantities 1d. lb. extra. 3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.
Hydrokinone, 1 lb. @ 42/6 lb.

Ichthyol Ammon. chemical equivalent: Ammon. Ichthosulphonas, B.P Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* ,, Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/7 lb.
* ,, Buchu Conc., 1 to 7, 6 lbs. @ 2/8 lb.
* ,, Calumbæ Conc., 1 to 7, 6 lbs. @ 1/1 lb.
* ,, Caryoph. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* ,, Cascarilla Conc., 1 to 7, 6 lbs. @ 1/6 lb.
* ,, Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/10 lb.
* ,, Gentianæ Co., 1 to 7, 6 lbs. @ 1/3 lb.
* ,, Quassiæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
* ,, Rhei Conc., 1 to 7, 6 lbs. @ 1/9 lb.
* ,, Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/10 lb.
* ,, Senegæ Conc., 1 to 7, 6 lbs. @ 2/7 lb.
* ,, Valerian Conc., 1 to 7, 6 lbs. @ 1/9 lb.
Insect Powder, Opt., English Grd., closed flowers, 7 lbs. @ 3/- lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 28 lbs. @ 1/10½ lb.
Iodoform Pulv. B.P., 7 lbs. @ 20/6 lb.; 1 lb. @ 21/- lb.
Iodum resub. B.P., 7 lbs. @ 18/9 lb.; 1 lb. @ 19/3 lb.
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ 1/8 lb.; sifted, 2/- per lb.

Lapis Pumicis, fine powder, 2 cwt. @ 12/6 cwt.; 7 lbs. @ 2d. lb.; lump, 2 cwt. @ 18/- cwt.; 7 lbs. @ 3d. lb.
Licorice Juice, 2-oz. Sticks, 1 cwt. @ 145/- cwt.; 28 lbs. @ 1/4½ lb.; 7 lbs. @ 1/5½ lb.
*Lin. Aconiti Meth., 5 lbs. @ 1/9 lb.; 1 lb. @ 2/- lb.
* ,, Bellad. Meth., 5 lbs. @ 8/3 lb.; 1 lb. @ 8/6 lb.
,, Camph. P.B., 40 lbs. @ 1/0½ lb.; 9 lbs. @ 1/1½ lb.
,, Sapo Meth., 9 lbs. @ 1/- lb.
,, Tereb. Acet., B.P., 5 lbs. @ 1/1 lb.
Linseed c. Oil, Crusbed, 3 cwt. @ 28/- cwt.; 1 cwt. @ 28/6 cwt.
*Liq. Ammonii Acetatis Conc. 1–7, 6 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.
* ,, Ammon. Aromat., 6 lbs. @ 10d. lb.
* ,, Antim. Chlor. Pure, 8 lbs. @ 10d. lb.
* ,, Arsenicalis, B.P., 7 lbs. @ 5d. lb.; 1 lb. @ 8d. lb.
* ,, Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
* ,, Bismuth, P.B., 6 lbs. @ 1/7 lb.
* ,, Copaiba Buchu et Cubeb, 5 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.
* ,, Easton, p.s. 1–3, B.P., 1 lb. @ 3/5 lb.
* ,, Ferri Dialysatus, 6 lbs. @ 1/2 lb.
* ,, Ferri Iod. p.s., 1–7, 1 lb. @ 8/- lb.
* ,, Ferri Perchlor. Fort., P.B., 7 lbs. @ 6d. lb.
* ,, Ferri Phosph. Co. p.s., 1–7, 7 lbs. @ 1/7 lb.
* ,, Hamamelidis, B.P., 6 lbs. @ 1/3 lb.
* ,, Hypophosph. Co., p.s., B.P.C., 1 lb. @ 3/10 lb.
* ,, Iodi Fort, B.P., 5 lbs. @ 7/- lb.
* ,, Morphinæ Acet. or Hydrochlor., P.B., 6 lbs. @ 4/2 lb.
* ,, Opii Sed., 5 lbs. @ 6/3 lb.
* ,, Plumbi Subacet., P.B., 7 lbs. @ 7d. lb.
* ,, Pruni Virg. p.s. 1–7, 5 lbs. @ 2/9 lb.
* ,, Rhœados pro Syr., 1 to 7, 5 lbs. @ 2/8 lb.
* ,, Rhei, p.s., 1–7, 6 lbs. @ 2/4 lb.
* ,, Santali Co., 1 lb. @ 4/6 lb.
* ,, Sennæ Dulc. 6 lbs. @ 1/8 lb.
* ,, Sennæ pro Syr. 1–7, 6 lbs. @ 3/4 lb.
* ,, Strychninæ Hyd. P.B., 6 lbs. @ 1/11 lb.
* ,, Tolut. pro Syr. 1–7, 6 lbs. @ 1/9 lb.
* ,, Trinitrini, B.P., 1 lb. @ 7/- lb.
Lithia Carb. P.B., 28 lbs. @ 6/- lb.; 7 lbs. @ 6/3 lb.; 1 lb. @ 6/6 lb.
,, Citras, B.P., 28 lbs. @ 6/4 lb.; 7 lbs. @ 6/7 lb.; pulv., 3d. lb. extra.
Lycopodium, 7 lbs. @ 13/6 lb.

Mag. Calc. Levis, 1 lb. @ 2/- lb.
Mag. Calc. Pond., 7 lbs. @ 2/1 lb.; 1 lb. @ 2/3 lb.
Mag. Carb. Pond., 7 lbs. @ 11d. lb.
Mag. Carb. Levis., 1 cwt. @ 70/-; 7 lbs. @ 8½d. lb.
Mag. Cit. Gran., 28 lbs. @ 1/5 lb.; 6 lbs. @ 1/6 lb.
Mag. Sulph., fine druggists', B.P., 1 cwt. @ 19/6; 28 lbs. @ 2½d. lb.
Manna, Flake, 14 lbs. @ 5/10 lb.; 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.
Menthol, dry white cryst., 60 lbs. @ 12/3 lb.; 5 lbs. @ 12/10 lb.
*Mist. Sennæ Comp., B.P., 20 lbs. @ 8d. lb.; 6 lbs. @ 9d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 14/- oz.; 16 oz. @ 14/3 oz.; 8 oz. @ 14/6 oz.; 1 oz. @ 15/3 oz.; Pur. Præcip. Bimeconate or Tart., 1 oz. @ 19/- oz.
Morphinæ Diacetyl., 4 oz. @ 22/- oz.; 1 oz. @ 22/6 oz.; Hydrochlor., 6d. per oz. less.
Myrrh, Gum, English Ground, 28 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.

Naphthalene, Flake, 7 lbs. @ 7½d. lb.
Nux Areca, 1 cwt. @ 55/- cwt.; 7 lbs. @ 7d. lb.; powder, English ground, @ 80/- cwt.; 7 lbs. @ 9½d. lb.

Ol. Amygdal. Ang., B.P., 9 lbs. @ 3/1 lb.
Ol. Anethi Ang. B.P., 1 lb. @ 30/- lb.
Ol. Anisi, E.I., 66 lbs. @ 3/8 lb.; 16¾ lbs. @ 4/- lb.; 4½ lbs. @ 4/5 lb.; 1 lb. @ 4/8 lb.
Ol. Aurant., 12 lbs. @ 9/6 lb.; 1 lb. @ 10/3 lb.; not guaranteed absolutely pure.
Oil of Bays, genuine W.I., 1 lb. @ 14/6 lb.
Ol. Cajuput., B.P., 21½ oz. bots. @ 4/9 lb.
Ol. Camphor. Essent., White, 40 lbs. @ 8½d. lb.; Brown, 40 lbs. @ 120/- cwt.
Ol. Caryoph. Ang., B.P., 9 lbs. @ 6/3 lb.; 4½ lbs. @ 6/6 lb.
Ol. Cassiæ, 16 lbs. @ 4/6 lb.; 6 lbs. @ 4/9 lb.
Ol. Cinnam., 1 lb. @ 32/- lb.; 1 oz. @ 2/3 oz.
Ol. Citronellæ, 9 lbs @ 2/3 lb.
Ol. Coco Nucis, finest White, 80 lbs. @ 57/- cwt.; 40 lbs. @ 60/- cwt.
Ol. Eucalypt., P.B., 1 cwt. @ 2/8 lb.; 28 lbs. @ 2/9 lb.; 9 lbs. @ 2/10½ lb.
Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
Ol. Gynocardiæ, 5 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
Ol. Juniperi Ligne Exot., 9 lbs. @ 4/6 lb.
Ol. Lavand. ah Flor., 5 lbs. @ 15/6 lb.; 1 lb. @ 16/6 lb.
Ol. Menth. Pip. English, 5 lbs. @ 36/6 lb.; 1 lb. @ 37/6 lb.; Hotchkiss original bots., 21 oz. each @ 15/9 lb.; 6 bots. @ 15/6 lb.; 18 bots. @ 15/- lb.; American, 20 lbs. @ 9/3 lb.; 4½ lbs. @ 9/9 lb.; 1 lb. @ 10/6 lb.; Japanese, 60 lbs. @ 4/7 lb.; 5 lbs. @ 4/9 lb.
Ol. Morrhuæ, 1915, finest non-freezing, 2-gall. tins @ 23/6 per gall.
Ol. Myrbane, 9 lbs. @ 3/- lb.
Ol. Myristicæ, 7 lbs. @ 5/- lb.; 1 lb. @ 5/6 lb.
Ol. Nucis Pallid., 2 gall. tins @ 7/6 gall.
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. barrels @ 5/2 gall.; 2 gall. tins @ 6/6 gall.
Ol. Origani Ruh., Coml., 28 lbs. @ 2/- lb.; 9 lbs. @ 2/3 lb.
Ol. Peach Kernel (so-called), 1 cwt. @ 1/6½ lb.; 56 lbs. @ 1/7½ lb.; 9 lbs. @ 1/9½ lb.
Ol. Pulegii B.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10.
Ol. Ricini Alb. Opt. Medicinal, 44 lbs. @ 80/- cwt.; 9 lbs. @ 11d. lb.; for export, 1 cwt. drums recommended.
Ol. Rosmarini, Coml., 28 lbs. @ 1/9 lb.; 9 lbs. @ 2/- lb.; B.P., 9 lbs. @ 2/7 lb.; 1 lb. @ 2/11 lb.
Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 36/- lb.; 1 lb. @ 36/6 lb.
Ol. Sassafras, genuine, 28 lbs. @ 3/10 lb.; 1 lb. @ 4/5 lb.
Ol. Theobromæ, B.P., 8-oz. tabs., 28 lbs. @ 2/11 lb.; 7 lbs. @ 3/- lb.
Ol. Wintergreen, Artificial, 5 lbs. @ 15/6 lb.; 1 lb. @ 16/- lb.
Opium Turc. B.P., 14 lbs. @ 36/6 lb.; 3 lbs. @ 37/6 lb.; 1 lb. @ 38/6 lb.; powder, 6d. lb. extra.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

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(See also advertisement for SANTONINE, page iv)

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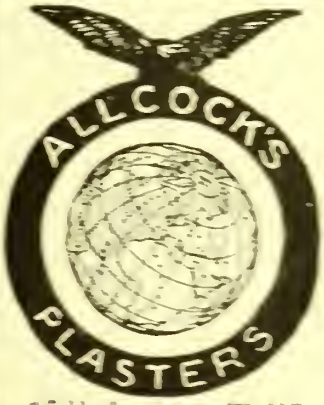

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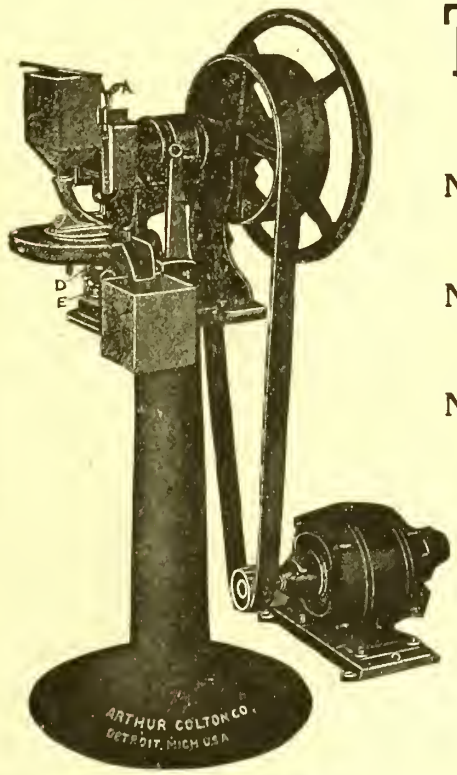

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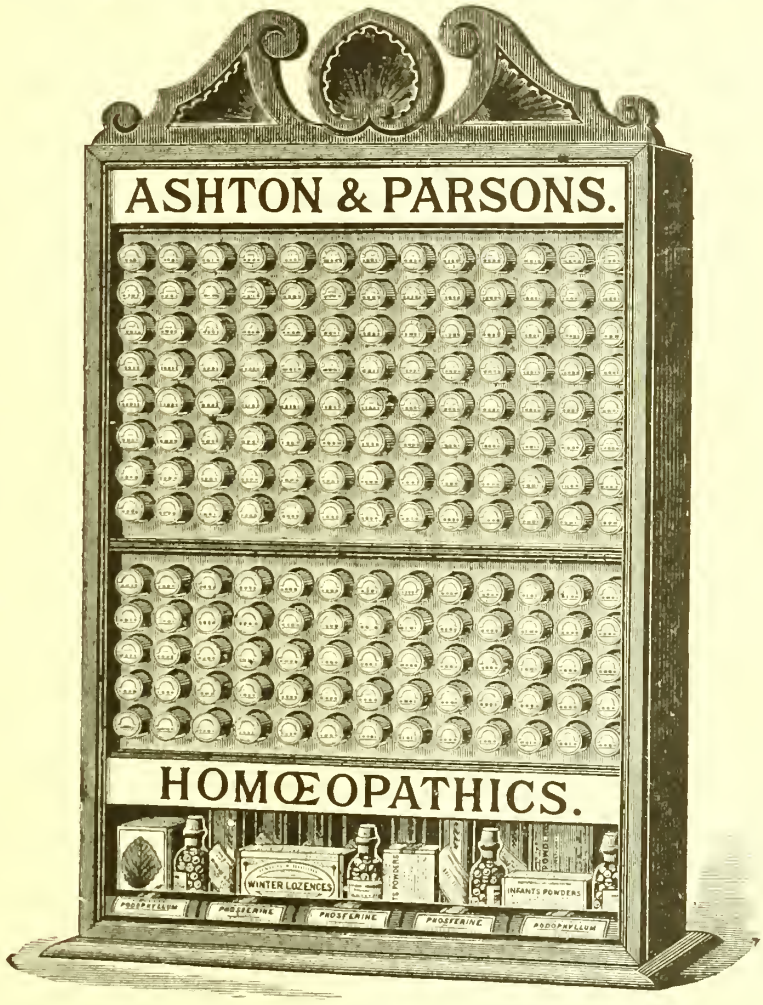

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